

AMERICAN NURSERYMAN

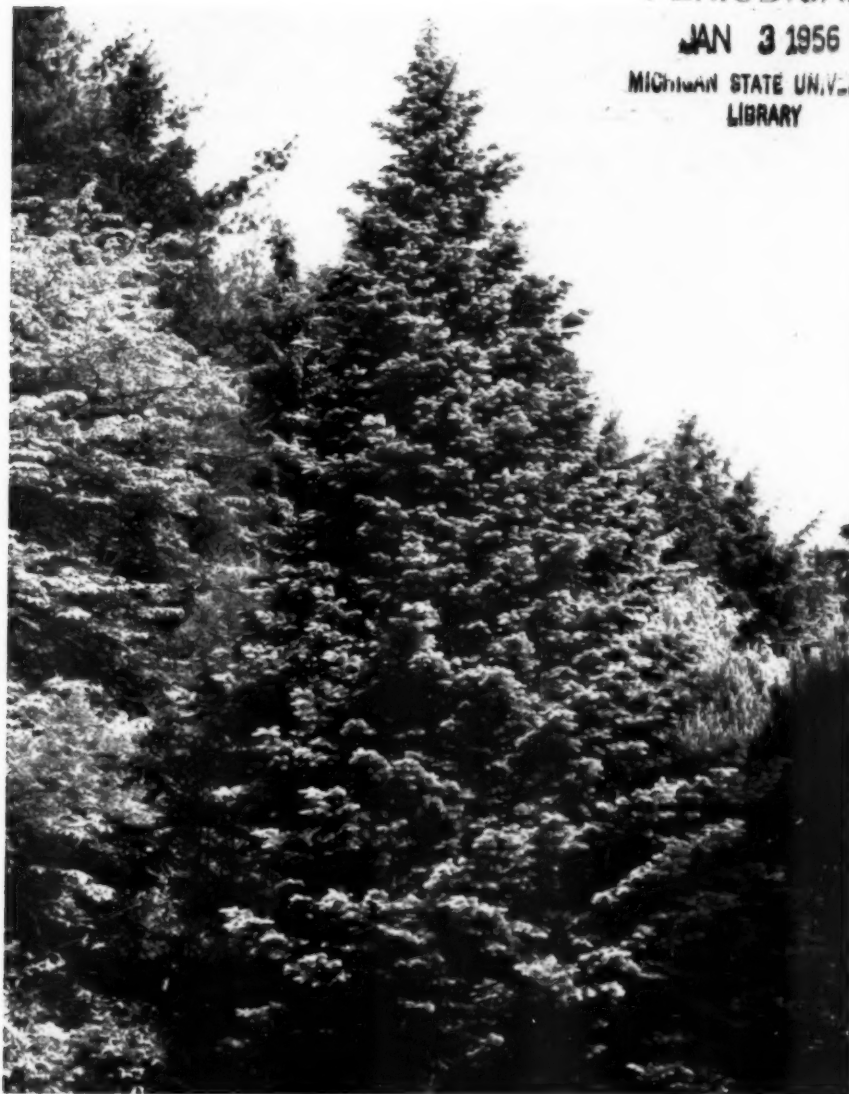
The Nurseryman's Forte: To Make America More Beautiful and Fruitful

JANUARY 1, 1956

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Our complete Spring Wholesale Trade List will be mailed in late January. You will find this list most complete with those items of interest to you.

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| January 3 and 4. | WESTERN ASSOCIATION OF NURSERYMEN Don Moffet Joe Abrahamson Darrell Holmes |
| January 4 to 6. | EASTERN REGIONAL CONVENTION AT NEW YORK David Doran |
| January 5 and 6. | OKLAHOMA STATE NURSERYMEN'S ASSOCIATION Joe Abrahamson |
| January 11. | MARYLAND NURSERYMEN'S ASSOCIATION David Doran |
| January 11 to 13. | INDIANA ASSOCIATION OF NURSERYMEN Bert Welch |
| January 12 to 14. | IOWA NURSERYMEN'S ASSOCIATION Harley Deems Darrell Holmes Grover Hankins Don Moffet |
| January 16 to 18. | IDAHO NURSERYMEN'S ASSOCIATION L. C. "Jens" Ihre |
| January 16 to 18. | ILLINOIS STATE NURSERYMEN'S ASSOCIATION George Welch Carl Lumry Bert Welch Don Moffet Bert Lumry Joe Abrahamson Darrell Holmes Harley Deems |
| January 18 to 20. | OHIO NURSERYMEN'S ASSOCIATION Bert Welch |
| January 25 and 26. | CONNECTICUT NURSERYMEN'S ASSOCIATION David Doran |
| January 25 to 27. | MICHIGAN ASSOCIATION OF NURSERYMEN Bert Welch |
| January 26 and 27. | NEW JERSEY ASSOCIATION OF NURSERYMEN David Doran |



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AMERICAN NURSERYMAN

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The Nurseryman's Forte: To Make America More Beautiful and Fruitful

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Forms for the January 15 issue will close Friday, December 30.

Forms for the February 1 issue will close Friday, January 13.

Mail copy to arrive at Chicago by these dates—no later!

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AMERICAN NURSERYMAN

F. R. KILNER
Editor and Publisher

FRED H. KILNER
Managing Editor

Editorial

Happy New Year!

As the year 1955 ends on a rising tide of prosperity, business leaders and forecasters are optimistic in their predictions for 1956. Cautious ones limit the extent of their favorable prognostications to the first six months of 1956, but others find no reason to doubt the longer continuation of good times.

The basis for high estimates of business volume and profits for a considerable time to come is the steady and notable increase in population. This creates many new family units, which require homes to live in and all the equipment, furnishings and other appurtenances. Hence the recent predictions of a high rate of building for the next decade or two.

Besides that assurance for continuance of the strong demand for nurserymen's products are the accompanying influences of high employment at high wages, record consumer spending, increased expenditures for factories and equipment and rising government appropriations for schools, roads and other projects.

Not only has the public more money to spend, but it has widened its tastes and demands as the shorter work week has given opportunity for more diverse activities. One of these is gardening, which not only wins more recruits as more new homes are built, but receives more enthusiastic practice as the owners gain experience and knowledge.

The process of educating the public in various phases of horticulture has risen in momentum to meet the increased public interest. Greater attention to this subject is given by newspapers and magazines, radio and television stations, schools and colleges, book publishers and other commercial purveyors of the public's wants.

To meet this enlarged and ready market, nurserymen are revamping and extending their services so as to fit the needs of the times. These changes have won the patronage of the public to an increasing degree.

The predicted continuation of general business prosperity plus the

particular public interest in their products and services gives every reason to expect for nurserymen in 1956, and to salute all readers at this time with the wish for, a very happy New Year.

AUTUMN REPORTS

Scanning carefully the reports of autumn business in this and the preceding issue, readers will note the increased importance of the fall sales season. There are two outstanding reasons for this, which may or may not be permanent. One is the tremendous amount of work for those nurserymen who do landscape planting because of the home building boom; those who are able and willing are finding enough jobs to keep them occupied all the months of the year in which the weather permits them to operate. Only a few cling to old habits and look upon spring as their sole season of activity.

The other reason for greater autumn sales is the increasing number of garden centers. Their aim to keep facilities and staff occupied as nearly as possible 12 months in the year has led to promotion of fall planting as a means thereto. Of course, garden center operators are likely to add related lines—bulbs, house plants, etc.—to enhance their volume of sales, and these add to the autumn totals. The business developed by the garden centers should be of a permanent nature.

Because of the increased importance of autumn sales, the number of reports on retail business requested of representative nurserymen by this magazine is larger than in previous years. They have been separated so that the reports of garden center operators would appear as distinct from those who retailed otherwise to a larger degree. They make interesting reading both as to business trends and as to suggestions in regard to operating methods for those nurserymen who are contemplating changes.

TRADE PRACTICE RULES

The proposed trade practice rules for the nursery industry, first submitted to trade conferences in the autumn of 1954, have been revised and refined by the federal trade commission, and copies have been distributed in anticipation of hearings on the rules January 9 and 19, according to an announcement on

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another page of this issue. By the latter date, nurserymen may submit their views, suggestions or objections, either in person at the hearings or in writing to the commission.

The rules as they now appear generally follow in outline the drafts submitted earlier. It is made quite clear that the practices named as unfair are considered so if they lead to misrepresentation or deception. Hence, it may be inferred that a responsible nurseryman will not suffer any penalties from an innocent mistake, unless it is continued after its violation of the rules is brought to his attention.

There will continue to be argument as to the inclusion of the rule that the word "nursery" may not be used in a corporate name or a business sign unless the user actually owns or controls a nursery in which is grown a substantial portion of the stock sold and distributed by the firm in interstate commerce.

Are local retailers who distribute little stock in interstate commerce to be permitted to use the word "nursery" in their business title even if they have no more than an office of store, while their more important brethren, because they sell more widely, cannot use a term to identify the merchandise they handle?

The views and the needs of the industry should be presented at these final hearings, so that the legal phrasing of the rules may be adjusted to meet them.

IDENTIFY YOURSELF

Occasionally applications for subscriptions to the American Nurseryman are received without identifying the writer as a member of the trade. Delay and sometimes hard feelings result if it is necessary to return the application for the necessary information.

In recent weeks letters have come from subscribers requesting that subscription be sent as a gift to person named, but not identified, presumably an employee, but not always so.

Remember that the circulation of this magazine is confined to the nursery industry and allied interests. The word of identification will expedite the process of filling new subscription orders.

ALVIS NURSERY, 2038 Woodrow drive, Tarrant, Ala., is a recently opened retail nursery.

Licensing Law Hailed at Wisconsin Meeting

By Doris Ann Krupinski



John Gartman, newly elected president of the Wisconsin Nurserymen's Association, with the proposed new association emblem.

The Wisconsin Nurserymen's Association met at the Schroeder hotel, Milwaukee, November 30 to December 2, for its 39th annual convention. A short course for nurserymen, which occupied the first day of the convention, is reported on another page of this issue.

The members welcomed a new association-sponsored state law which requires nurserymen to have licenses, and a large part of the program was devoted to subjects which would help nurserymen make the most of the new law.

Outgoing President Robert Gieringer, Milwaukee, hailed the law as the first important change in 30 years, protecting both the public and the nurseryman. Only a man who grows his own stock can get a nurseryman's license under provisions of the new law, which defines a nursery as "premises on which nursery stock is propagated or grown for sale, not to be construed to mean a dealer's premises or heeling-in grounds."

Kenneth Greaves, Milwaukee, a director of the association and one of the drafters of the law, said that the licensing would prevent plant retailers, topsoil dealers and others from dragging the term "nurseryman" down. Applicants for the license must fill out a questionnaire which will reveal their knowledge of the nursery business. In the past, said Mr. Greaves, persons who did not know the difference between a piraea and a lilac have passed themselves off as nurserymen. The new law will raise the standards of the profession and protect the public as well.

Mr. Greaves said that the new law requires labeling of nursery stock for the retail trade and the distribution of information which will give the customer a much better picture

of what he is buying and how to take care of it. It makes it unlawful to sell nonhardy stock without informing the customer of its lack of hardiness. It requires more supervision by garden shop owners and nurseries, to see that the retail product is better cared for and arrives at its destination in a good, viable state.

Dealers are now required to take out a separate license. The added fees will make state inspection and enforcement much more practical.

Probably the two most important facets of the new law, said Mr. Greaves, are (1) It is unlawful to advertise as a nurseryman unless such is the case. (2) A nurseryman is now classed as a farmer for all

statutory purposes, so that all phases of his operation, including trucking, are under farm laws.

Trade-Mark Promotion

The association will take advantage of the labeling provision of the new law to attempt to establish a Wisconsin Nurserymen's Association trade-mark in the mind of the public.

Marvin A. Haller, Oshkosh, chairman of a committee which has been working to design such a trade-mark, showed the group a sample insignia and labeling tags to be used for retail sales. In addition to such information as price and variety, the tags will carry the nurseryman's license number and a condensed version of

[Continued on page 68]



Robert Gieringer, retiring president of the Wisconsin Nurserymen's Association, right, greets three old-timers who have been in the nursery business all their lives, a total of 248 years. They are, left to right, J. W. Jung, Jung Seed Co., Randolph, 68; J. F. Swartz, Swartz Nurseries, Kenosha, 88, and August Trautman, Trautman's Nurseries, Franksville, 92. The three men were honored during the course of the Wisconsin convention.

Selling and Growing Discussed At Wisconsin Short Course

By Doris Ann Krupinski

The first day of the annual convention of the Wisconsin Association of Nurserymen, held November 31 to December 2 at the Schroeder hotel, Milwaukee, and reported elsewhere in this issue, was devoted to a short course for nurserymen. For this part of the convention, the department of horticulture at the University of Wisconsin prepared the program. Prof. O. B. Combs was chairman of the sessions, in which the topics covered both the growing and selling phases of the nursery business.

Mrs. Marie R. Hodge, marketing expert from the Milwaukee extension of the University of Wisconsin, discussed the importance of nurserymen's slanting their sales techniques to women, who make at least 80 per cent of the purchases of nursery stock at retail and probably have some influence over the other 20 per cent.

A woman takes about the same attitude in buying nursery stock as in buying clothes, said Mrs. Hodge. Fashions in plants are as changeable as fashions in clothes, except that the plant cycle takes longer because of the nature of the product. Changes in demands are usually brought about by the home and garden magazines, the speaker said, or by innovations in architecture, making it important for the nurseryman to follow the magazines. The current high demand for flowering trees and shrubs should not have caught any alert grower unprepared.

Learn Buying Motives

A customer goes to the nursery with at least a vague idea of what she wants, said Mrs. Hodge, and it is part of the selling job to try to understand the motivation which brought her. Did she see the item while driving by a fancy home? Does a friend have it? Did she read about it in a magazine?

The seller who understands the buying motive can complete a sale more readily, since he will be prepared with suitable substitute items in case the customer's request cannot be filled exactly.

Mrs. Hodge suggested that nurseries make their best landscape men available as speakers to P. T. A. and garden groups and encourage field

trips through their property. Educational work such as that has long-range value to the entire industry, as well as more immediate benefit for the individual nursery.

The speaker noted the rising popularity of shopping centers, with their convenient parking facilities. Mrs. Hodge urged nurserymen, who often have grounds in outlying areas, to take advantage of this trend. Let people know where the nursery is through a vigorous program of advertising. Most residential sections have a complete turnover of homeowners every few years, and the new people will not know where to find the nursery unless the nurseryman makes a point of informing them. The place of business should be a well-landscaped advertisement for the profession, because the customer's first impression is lasting.

Make Shopping Easy

Shoppers today are accustomed to easy shopping, said Mrs. Hodge, and to this end nurserymen should make their displays as open and inviting as possible. Related package items are usually presold by national advertising and should be stocked whenever space permits. The one-stop shopping plan made possible by having tools, seeds and fertilizers, in addition to nursery stock, will please customers.

Mrs. Hodge advised the use of pictures, either on displays or labels, to show the customer how a shrub will look during the growing season. One glance at a color picture will do the selling job it would take a salesman 15 minutes to do.

Following up on past sales will often result in additional sales, said Mrs. Hodge. Go look over a customer's home, offer any help or advice needed. Giving service is what makes a business successful. Never fail to take a buyer's name and address, even on a cash-and-carry sale, so as to follow through later on.

Mrs. Hodge expressed the belief that people who have been stung by fraudulent mail-order advertisements will later become good customers of the reliable local nurseryman.

Canned Nursery Stock

Jack B. Hill, of the D. Hill Nursery Co., Dundee, Ill., stressed the

sales advantages of canned nursery stock in his talk on "The Economic Advantages of Producing and Marketing Materials in Tin Cans."

The container is just another form of packaging, said Mr. Hill, and as such it does a great deal to assist marketing. No longer does a nurseryman have to say, "We'll deliver it Thursday, if it doesn't rain." Canned plants can be handled in any weather conditions.

Mr. Hill emphasized that to take full advantage of the good points of such a method, a plant should not be a field-grown item transplanted to a container, but should really be grown in the container. It can then be transplanted to the customer's grounds without the shock which normally results from transplanting.

There is no practical limit to the length of time that plants can be grown in containers or the size to which they can be grown. The range is from the tiny Japanese bonsai tree, several generations old, to entire fruit trees that actually produce fruit when grown in tubs. For economy, however, the rule is to sell the largest plant possible in the smallest container possible.

Container Advantages

Plants require a little more culture in containers than when they are in the ground, admitted Mr. Hill, but one has the advantage of being able to adjust the soil type for each individual plant. Another advantage is that most of the water and fertilizer one applies goes to the plants instead of helping to nourish the weeds, as in the field. One who works with sterile soil, in cans, finds weeds are a relatively minor problem.

Canned plants can also be an incentive to workers, said Mr. Hill, if each man is assigned a block of plants for which to be responsible. A man works harder when he can see the results of his own handiwork.

Canned stock has greater eye appeal than burlapped plants, said Mr. Hill, and is clean and easy to handle. Such plants stay good-looking for a long period of time, so that the last plant in the shop looks just as good as the first one and is just as salable. The plants can be marketed all summer long, not just in the relatively short season when balled shrubs can be transplanted.

Mr. Hill concluded with a word of caution about temperature changes which affect canned plants. The danger is in frequent changes of temperature, rather than in the extremes of heat or cold. He advised

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Management Problems Discussed at Minnesota Meeting



Gordon Bailey, president of the Minnesota Nurserymen's Association, at left, presents a fishing rod to R. N. Ruedlinger, retiring after 21 years of service as secretary-treasurer of the association.

Management was one of the principal subjects discussed at the 30th annual convention of the Minnesota Nurserymen's Association held in the Dyckman hotel, Minneapolis, December 5 and 6. Registration reached a total of 105. One of the highlights of the convention was the presentation of a glass fishing rod to R. N. Ruedlinger, Ruedlinger Nursery, St. Louis Park, who retired after 21 years of service as secretary-treasurer to the state association. Replacing him in this capacity is Edward Reid, Park Nurseries, St. Paul, who was appointed by the board of directors. Also entering the spotlight at the convention was Harold Reid, Park Nurseries, who received an industrial landscape "Plant America" award, for his landscaping of the research laboratories of the Minnesota Mining & Mfg. Co., St. Paul.

Activities at the convention included the setting up of a committee to serve as a board of directors of a corporation to govern Minnesota plant introductions; reports from the various committees of the association; talks from members of the department of horticulture, University of Minnesota, and a report from the state fruit farm and the state entomologist. Completing the program was a report on activities of the American Association of Nurserymen and the annual banquet.

Election of Officers

Re-elected president of the Minnesota group was Gordon Bailey, J. V. Bailey Nurseries, St. Paul. Kimball Andrews, Andrews Nursery Co., Faribault, was returned to the office of vice-president, while Charles Hawkins, Rose Hill Nursery, St. Paul, and Harry Francis, Lake City Nurseries, Lake City, were elected to 2-year terms as directors.

The convention was officially

called to order by President Bailey, Monday morning, after a social hour at which complimentary coffee and sweet rolls were served. The treasurer's report showed \$1,829 on hand, and Mr. Ruedlinger announced an increase of five members during the past year, bringing the total membership to 99.

Entomologist Reports

After the auditing and nominating committees had been appointed by the president, the latter called upon Thor Aamodt, state entomologist, St. Paul. Talking on the national and international pest problem as it affects nurserymen's business, Professor Aamodt said the foreign situation is much more important than nurserymen think. Close to 7,000 pests are discovered at foreign ports of entry each year. He said that the amount of inspection work done at ports of entry is

a pittance. It is a federal and not a state problem to control pest entry into United States' ports of entry, he affirmed.

A. W. Buzicky, associate state entomologist, urged nurserymen to report any new pests which they discover. State inspectors, he said, can be called upon to assist in insect and disease control. The use of overhead irrigation will increase the incidence of diseases, he pointed out.

Completing the morning session was a report from Walter Trampe, supervisor of the section of nursery inspection in the state entomologist's office. He said nurserymen should take more soil samples to know what essential nutrients may be needed in the soil. Mr. Trampe related the number of nursery dealers in the state is on the increase. There were 360 in 1953, 411 in 1954, 446 in 1955 and there is an indication there will be about 800 to 900.



Vincent Bailey, A. A. N. director from region IV, at left, presents "Plant America" award to Harold Reid.

in 1956. Most are over-the-counter sellers, he said, selling bare-root roses and shrubs. It is essential that more and stricter inspections be made, he concluded.

Management Round Table

Monday afternoon the nurserymen heard talks on advertising, personnel, credit and better business practices which were part of a management round table. Seymour V. Pederson, Graves & Associates, Minneapolis, said the reason nurserymen do not use advertising effectively is because they do not have time. The basic purpose of advertising is to build volume, he said. Advertising cannot be turned on and off as one needs it, pointed out Mr. Pederson. Advertising does not compete with profits; rather it is essential to them.

A nurseryman should set up a budget for advertising, he continued. Last year's sales volume should be used as the basis, with the percentage allocated varying from 3 to 5 per cent of sales. In cities, telephone directories are a good media; garden pages in newspapers are also good. Time spots on radio are all right, he said, but radio is not the medium it once was. Television is good, but expensive, and is an excellent educational medium in which commercials can be woven. Direct mail and highway billboards are also good media, he added. In considering the timing of advertising, the habits of customers have to be considered. Many of the nurserymen's customers are short-lived. The bulk of the retail nurserymen's advertising should be done in April and May, while landscape and planting design can be advertised in February, he believed.

The items to be advertised must have a wide appeal, and many times a new item, well publicized, will bring customers into a store. Colorful headlines in advertising can, he related, bring a product out of the price competition class. Rules in advertising are to be specific and to ask for immediate action. Mr. Pederson said a person should not expect each advertisement to pay for itself. The long-term effects are as beneficial, or even more so, he concluded.

Personnel

Talking on personnel problems was Gil Bakeberg, of the Minneapolis-Moline Co., Minneapolis. New employees, he began, should be selected as carefully as a bride, with a good application blank being used as a yardstick. It is necessary, he said, to choose a person both physi-

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COVER ILLUSTRATION

Abies Lasioarpa Arizona

Abies lasiocarpa variety *arizonica*, a form of Rocky mountain fir, is found in Arizona and New Mexico. Introduced about 1900, this handsome evergreen is seldom seen outside arboreta and botanical gardens. The species, where native, matures to about 100 feet, but much less in cultivation, especially in the eastern states, where, quite accurately observed and reported by the late Alfred Rehder, "it does not thrive". However, it does grow fairly well in some parts of zone IV, and several specimens of the variety, *arizonica*, in Durand-Eastman park, at Rochester, N. Y., after 35 years of satisfactory development, are truly beautiful conifers. While its rate of



Abies Lasioarpa Arizona

growth is considerably less than many evergreens in the same vicinity, it has averaged over 25 feet without any special coddling. The very fact that this fir is a slow grower in many localities where it could be used makes it the more desirable for use as an ornamental, especially in limited area plantings. How often do we see blue spruces, planted in city dooryards, which have greatly outgrown expected limits and become a nuisance, badly out of scale with their surroundings? How much better to use trees that will give many years of pleasing service before outgrowing their usefulness.

In color, the foliage of the variety, *arizonica*, rivals and often surpasses that of many so-called blue spruces, such as selected forms of *Picea glau-*

ca, *pungens* and *engelmanni*. A full-branched plant of symmetric contour, this tree shares the aristocratic elegance so notable in the genus as a whole. Such a tree is certainly worthy of greater use, wherever it can be grown.

In maturity, the bark of *A. lasiocarpa arizonica* is thick, corky and silverish cream white in color, which adds to its distinctive appearance. While it might be true that cultivated specimens may deteriorate before reaching maturity and need replacing, surely any such fine ornamental with 30 to 40 years of almost faultless service to its credit has contributed enough to any landscape planting.

Unlike the spruces, the firs are relatively free from damaging natural enemies difficult to control and are not constantly disfigured by gall-forming aphids and branch-killing cankers. Propagation is by veneer grafts on suitable species stock.

The photographic original of the cover illustration was made by Gavaghan & Dobson and pictures a subject in a park planting at Rochester, N. Y.

J. G.

HEARINGS ON TRADE RULES

Richard P. White, executive vice-president of the American Association of Nurserymen, has announced that the first of two public hearings on the proposed trade practice rules for the nursery industry will be held in room 322, Federal Trade Commission building, Washington, D. C., January 9, starting at 10 a. m.

The second public hearing will be held in the Illinois room, La Salle hotel, Chicago, January 19, also starting at 10 a. m. Prior to the second meeting the A. A. N. has scheduled another open industry conference on the proposed set of rules the afternoon of January 18, in the Illinois room of the La Salle hotel, at 2 p. m., during the convention of the Illinois State Nurserymen's Association.

Copies of the rules as revised by the federal trade commission have been mailed to all members of the trade of record. This means that every member of the A. A. N., every member of every state, regional and local association and others from the commission's own files have received the mailing and may be expected to be prepared to express opinions on the proposals at the public meetings.

JAMES WHITE has purchased the Durango Nursery & Greenhouse, near Durango, Colo.

Insect Control

Pests of Taxus, Euonymus and Others

By Donald L. Schuder

Insects are a constant source of annoyance to nurserymen and arborists. This is not surprising, since ornamental plants are grown in large numbers in small areas or blocks, which makes conditions ideal for insects to increase and spread in great numbers. As if native insects were not enough, our troubles have been further multiplied by the unwitting introduction of serious pests outside our borders.

Taxus Pests

The taxus plant became popular for many reasons, one of which was its comparative freedom from insect pests. This freedom from pests no longer prevails. In the August-September issue of the Indiana Nursery News, Ben Stangler is quoted as saying, "The taxus weevil is becoming so serious in Buffalo that we are looking for suitable substitutes for this excellent plant." There are now

some 14 different insects and mites known to attack this plant, probably six of which really pose serious problems in control.

The taxus mealy bug, *Pseudococcus maritimus*, may be used as an example. Prior to the advent of phosphate insecticides, this pest was a severe and difficult one to control. Now two applications of a phosphate insecticide, such as parathion or malathion, seem to give nearly perfect control if applied first in mid-May and repeated in two weeks.

The black vine weevil, *Brachyrhinus sulcatus*, presents a relatively new taxus problem in Indiana. This black-snout beetle, which appears in late June or early July, eats small distinctive notches in the edges of leaves. In the larval or grub stage it eats off the small feeding rootlets and eventually kills the plant if not controlled. Control of adults is easier than that of larvae. A thorough wetting of the lower branches, trunk and soil by the use of one pound actual aldrin, dieldrin, chlordane or heptachlor to 100 gallons of water in late June or early July is effective. For grub-proofing of the soil, one may use 10 pounds of actual aldrin,

dieldrin, heptachlor or chlordane per acre, working the insecticide well into the soil by cultivation, watering or both.

The strawberry root weevil, *Brachyrhinus ovatus*, is a closely related weevil, which may be controlled in a similar manner. Recent reports from the south indicate that a toxaphene spray composed of two pounds of the wettable powder to 100 gallons of water may be more effective than materials already mentioned.

The carpenter ant, *Camponotus herculeanus pennsylvanicus*, and the subterranean termite, *Reticulitermes flavipes*, are two insects which have found the taxus trunk to their liking. Both species excavate the trunk and make their nests therein. This problem usually occurs in more mature trees than are found in the nursery, but old specimen yews in show yards are vulnerable to attack in this manner.

Chlordane Treatment

A thorough saturation of the soil in and around the trunk with a 2½ per cent chlordane spray will deter the termites and give protection for



Fig. 1.

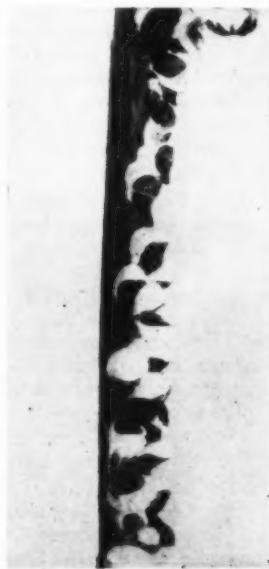


Fig. 2.



Fig. 3.

Fig. 1. *Lepidosaphes yanagicola*, which attacks *Euonymus alatus* and *Euonymus alatus compactus*. Fig. 2. Cottony maple scale, *Pulvinaria vitis*, an occasional pest of euonymus. Fig. 3. *Euonymus* scale, *Unaspis euonymi*, a severe pest of big-leaved winter creepers.



Fig. 4.

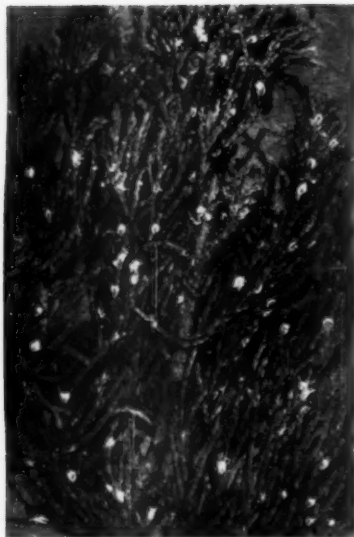


Fig. 5.



Fig. 6.

Fig. 4. California red scale, *Aonidiella aurantii*, an occasional pest of both *taxus* and *euonymus*. Fig. 5. *Spilococcus juniperi*, a pest of juniper recently found in Indiana. Fig. 6. A colony of European sawfly, *Neodiprion sertifer*, a severe pest of red and other pines in northern Indiana.

several years. I recommend using the 40 per cent chlordane wettable powder for this purpose and not the oil emulsions, since the oil in this type of spray might damage the bark. (This is three to six pounds of 40 per cent chlordane wettable powder to 10 gallons of water.) The carpenter ants can be killed with a lighter dosage, such as two and one-half pounds of 40 per cent chlordane wettable powder to 100 gallons of water.

The *taxus lecanium*, *Lecanium fletcheri*, is one of the most serious *taxus* scale pests. This scale looks like small brown buds along the branches and is difficult to detect until it becomes numerous enough to cause noticeable damage. This scale overwinters in the partially grown state, and for this reason a dormant spray that kills the overwintering stage can prevent a lot of trouble the next year.

I suggest that a summer or superior-type oil spray be used during the dormant period. The young, newly hatched scale, called crawlers, which appear in late June or early July, depending upon the locality, can be controlled by using either two pounds of 15 per cent parathion or one and one-half pints of 50 per cent malathion to 100 gallons of water. Personally, I should prefer malathion, for it is much safer to handle.

Pine-Needle Scale

Another scale to be on the lookout for is the pine-needle scale, *Phenacaspis pinifoliae*. I have received

several specimens of this scale on *taxus* in the past two years. Apparently this scale is changing over to a new host. Dormant sprays of oil or liquid lime-sulphur are effective against this pest. The crawlers, present the first of June and again the last of July, may be controlled with malathion or parathion as mentioned previously. DDT is effective also, but it is likely to incite mite problems and if used should be combined with a reliable miticide.

Another scale found occasionally on *taxus* is the European fruit lecanium, *Lecanium corni*. This scale might be looked upon as a large version of the *taxus lecanium*. It overwinters like that scale and may be controlled in the same fashion with the same materials.

Several other species of scale have been reported on *taxus*. They are *Pulvinaria floccifera*; the purple scale, *Lepidosaphes beckii*; the oleander scale, *Aspidiotus hederae*, and the California red scale, *Aonidiella aurantii*. These scales are nearly all from warmer climates and should not constitute a problem elsewhere unless plants are imported from warmer climates or infested greenhouses.

Two other *taxus* pests are the red spider mite, *Tetranychus telarius*, and the spruce mite, *Paratetranychus ununguis*, with which most nurserymen are familiar, but possibly not growers of *taxus*. I have been finding these mites on *taxus*. In dry seasons like the one just past, mites can be particularly injurious.

To control mites, apply two pounds of the commercially available Aramite or Ovotran wettable powder or one pint of the 25 per cent Dimite emulsion to 100 gallons of water. If phosphate-resistant mites are not a problem, parathion or malathion may be used. In case of Aramite-resistant mites, one should use chlorobenzilate, one to one and one-half pounds of wettable powder to 100 gallons of water.

Euonymus Pests

The majority of *euonymus* pests are scale insects, the most serious of which is the *euonymus* scale, *Unaspis euonymii*. Most nurserymen and arborists are familiar with this pest, which turns the leaves of *euonymus* white in cases of heavy infestations. Control of this scale is difficult and requires persistent effort. Because of the nature of the favorite host of the evergreen and the situation in which the evergreen is usually planted (next to stone, brick or cement walls), dormant sprays are impractical. Good results can be obtained, however, by repeated applications of malathion or parathion to the crawlers. There are three broods each year, and they hatch the first part of June, the last of July and the last of September. If bright yellow crawlers are present, one should spray at once and repeat in 10 days.

Another scale which is becoming more and more widespread is *Lepidosaphes yanagicola*, which attacks *Euonymus alatus* and *Euonymus alatus compactus* as well as *pachy-*

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Nebraska Association Meets at Lincoln

A. A. N. Report, Landscaping and Container Growing Talks Featured

By Charles W. Andrews

The Nebraska Association of Nurserymen held its annual winter meeting December 12 and 13, at the Cornhusker hotel, Lincoln. More than 50 members and guests were in attendance.

After registration at 9 a. m. Monday, the meeting began at 10 o'clock with reports from committees. Of special interest was the report of the plant research committee, by Chet Marshall, Arlington. This committee is working with the University of Nebraska, Lincoln, and garden clubs to provide a program for distributing new plant materials to garden club members throughout the state. The program eliminates much of the lag between the time a plant is introduced and the time it reaches the public. The plan was initiated last spring, and several thousand plants were shipped. Glen Viehmeyer, of the North Platte experiment station of the state university, said that in the future he will keep all necessary records.

Ted Sjulín, Hamburg, Ia., told of a program set up by the Iowa association whereby nurserymen give the state agriculture school funds for research work by paying the school for cutting wood of new plant introductions the first year or two they are on the market. The members resolved to investigate the possibility of working out a similar arrangement in Nebraska.

Elections

After lunch, the election of officers was held. William L. Andrews, Omaha, was elected president; Don E. Gudmundson, Lincoln, was elected vice-president, and James E. Elliot, Fremont, was named secretary-treasurer.

Then Vernon Marshall, Arlington, Neb., president of the American Association of Nurserymen, gave a report on activities of the national group. He mentioned the industrial landscaping book published by the association and a promotional landscape film which is available throughout the country. He told of working with the FHA on new landscape requirements and of the prosecution of some unscrupulous nurserymen by the federal trade commission. He reported on the damage caused by the severe Armistice day freeze in Washington and Oregon.

Mr. Marshall emphasized the need for promoting a good road program, urging a long-range program on the state level. The A. A. N. advises each state to have a landscape architect on the staff of the state highway commission. The members referred this matter to the public relations committee.

Also mentioned was the suggestion of the A. A. N. that each state association appoint a separate educational committee to cooperate with all institutions offering courses in landscape design, horticulture or nursery management. The members then approved a motion to set up such a committee.

In conclusion, Mr. Marshall recommended setting nursery stock prices so as to obtain a fair margin of profit. He thought that this plan is possible today, in view of prevailing economic conditions.

Container Growing

John B. Hill, of the D. Hill Nursery Co., Dundee, Ill., gave a splendid talk on the various aspects of plant container materials. He said that the most important thing to keep in mind is to achieve uniformity in all operations. He stated that one should grow the largest-size plant in the smallest possible container. He explained experiments in finding a suitable growing mix and reported that Hill's uses a mixture of 60 per cent peat moss and 40 per cent dune sand. He said the prime requisite of a mix is to provide adequate drain-

age and/or aeration. He mentioned watering and fertilizing experiments, which resulted in using a Rain King sprinkler for both watering and fertilizing. He told of a 2-piston water motor used to blend the fertilizer with the water.

Various methods of winter protection were also discussed by the speaker. In conclusion, Mr. Hill emphasized the need for modern merchandising practices, pointing out that in the Chicago area the retail nurserymen accounted for 80 per cent of the market before the war, whereas today they only account for 20 per cent, plant stands getting 80 per cent.

Banquet

The day's activities were topped with a buffet banquet at the hotel. After the meal, August Ragnow, merchandising vice-president of Fairmont Foods Co., Omaha, spoke on the subject, "Advertising and Merchandising in Today's Market." Mr. Ragnow has had 28 years' experience in this field. He felt that nurserymen's first consideration should be to find out what the customer wants, bringing out the distinction between what a customer may need and what he actually wants. He pointed out the national trend in consumer buying and emphasized giving special treatment to regular customers. Mr. Ragnow also gave specific examples of good merchandising as applied to the nursery business.

After Mr. Ragnow's talk, the nurserymen viewed the new A. A. N. film, "Landscape for Living," previously mentioned by Vernon Marshall. The members all agreed that this film could be put to good use on a local basis, to create a greater desire for landscaping on the part of the public.

Landscaping Talk

Tuesday morning, Prof. Harold E. Mosher, of the University of Missouri, Columbia, gave a fine presentation of the subject "Landscaping the Modern Home." He stated that the three elements of landscaping are (1) the site, (2) the house and (3) the people involved. He urged paying particular attention to the people and detremining their likes

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Vernon Marshall

New Yorkers Hold Successful Short Course at Cornell

By A. M. S. Pridham

The nurserymen's short course held at the Statler Inn, Cornell University, Ithaca, N. Y., December 6 to 8, 1955, was attended by 125 persons.

The arrival of 20 Long Island nurserymen by train marked the opening of the December 6 get-together. A dinner for the directors and participants in the program for the meetings provided a successful means of bringing everyone up to date while the conventioners were gathering for a sociability session which lasted from 7:30 to 10 p. m. and was attended by 75 nurserymen. Registration took place during the evening, and exhibits of containers, packaging and nursery and lawn weeds provided points of conversation.

Prof. Max Brunk, of the department of agricultural economics, discussed marketing research and development now under way in the region covered by the eastern nurserymen's convention, of which New York state is a part. Another highlight was the thought-provoking discussion by Joseph Howland "What's Wrong with Common Sense?"

The short course was conducted in discussion sessions on retail sales, plant propagation, landscape, maintenance and lawns. A summary session followed the discussion and included a showing of "Landscape for Living," the new A. A. N. film, and an explanation by Dr. George Lawrence, director of the Bailey hortorium, on how the hortorium can serve nurserymen by plant identification.

The session on retail sales, moderated by Joseph Kiyak, Green Valley Nurseries, Hawthorne, N. Y., took up the problem "how to handle customers," which can sometimes become the problem "how to get rid of customers." The situation reflects the interest of the public in ornamental plants and its undiminished enthusiasm for do-it-yourself procedures.

Propagation Pointers

The propagation session, moderated by Donald Vanderbrook, Gardening Council, Newark, N. Y., was attended mainly by young nurserymen with young ideas on the possibilities of using soft, rapidly rooting tissue

for easy and for hard-to-root species. Such procedures require critical control of environment, especially retaining moist foliage by automatic means and, second, keeping food production for root initiation at a maximum through the use of total sunlight plus augmented light for long days and a warm rooting media. Cuttings so handled were reported to root readily and in high percentage. They have been stored in closed atmosphere polyethylene bags at 35 degrees Fahrenheit for spring



Louis Weinstock

planting, to save greenhouse and frame space, as well as the labor of potting.

The session on lawns, moderated by Raymond Schenk, Schenk Landscape Co., Hicksville, L. I., opened with the showing of 70 slides defining the procedures used in year-around lawn making.

In discussion of landscape maintenance, under Hewlett Lewis, Lewis & Valentine, Roslyn, L. I., Dr. D. S. Welch, of the department of plant pathology at Cornell University, talked on antibiotics as still in the experimental stage. Dr. John Naegele, of the department of entomology, pointed out that where taxus weevil has a choice among several species, infestation is likely to begin and to be more severe with *T. brevifolia*.

Plant materials came up for discussion, with special interest expressed on holly. Caution was given

on the lack of hardiness in *Ilex crenata helleri* when grown in exposed locations on Long Island. Leslie MacRobbie commented on *albizia*, silk tree. This plant in the southern states is subject to a wilt disease at present unknown in New York state. *Albizia* has survived for some years in New York, particularly on Long Island, but has also flowered at Ithaca. It suffered less from winter injury last year than did roses in the same location. Mr. MacRobbie pointed out that the varieties Charlotte and Trion are grown on Long Island. Dr. Welch said those varieties are resistant to wilt.

Dr. L. H. MacDaniels, head of the department of floriculture and ornamental horticulture at Cornell University, referred to the recent untimely death of Dr. Kenneth Post and expressed assurance that the department would continue toward the objectives that had been set.

Research Tour

A tour of research was taken the morning of December 7, when staff members explained the work in progress. Prof. Charles Cares demonstrated a rapid technique for preparing colored landscape drawings. Sidney Waxman, a graduate assistant, presented data on the effect of short and long days on the flowering and growth of 12 kinds of deciduous and evergreen nursery stock. Day length control can be used to increase growth of cuttings and increase return from propagating stock plants, he said. Charles Hess, a graduate assistant, showed mist propagation and storage and survival of rooted herbaceous evergreen and deciduous cuttings. Donald Egolf, a graduate fellow, exhibited the development of new viburnums, a plant-breeding project.

Prof. John Nitsch explained student experiments in plant propagation—the effect of hormones, nutrition, day length, age of wood, position of cut and defoliation on the rooting of plant material. Dr. Nitsch also demonstrated new methods of identifying natural plant auxins. Robert Langhans, an instructor in floriculture, showed dormant roses that were started under mist in June, July and August. Mist has been applied outdoors to container-grown plants and late summer plantings of all nursery stock up to large trees.

Prof. Hans Petersen, a visiting fellow from Denmark, demonstrated low-voltage heating—a new and cheaper way of heating soil electrically by means of common iron wire and a transformer. Heat can be used

[Continued on page 95]

Landscape Talks at Arizona Meeting

By Joseph S. Folkner

The fifth annual short course for Arizona nurserymen was held December 7 and 8 in the Student Union Memorial building on the campus of the University of Arizona, Tucson. The Arizona Association of Nurserymen cooperated with the university in sponsoring the meeting, and the state group also held a business session.

As the opening meetings were being held in the building dedicated to those University of Arizona graduates who died in the service of their country, memorial exercises conducted at the front of the building by representatives of the United States Navy and university officials commemorated Pearl Harbor and the sinking of the battleship Arizona there December 7, 1941.

Registration for the 2-day meeting numbered 100. Nurserymen attended from California and Montana, as well as Arizona. The meeting was considered highly successful by the nurserymen and landscape contractors in attendance. Allied fields were also represented. The program was coordinated by the horticulture department of the university.

Elect Officers

Fred Palm, Vista Bonita Nurseries, Phoenix, was elected president of the Arizona Association of Nurserymen for the coming year. Verne Owen, Owen Nursery & Landscape Service, Tucson, was the retiring president. W. H. Norman, Norman Nursery, Phoenix, was named president for 1956 of the Phoenix chapter of the Arizona Association of Nurserymen.

Richard A. Harvill, president of the University of Arizona, welcomed the group Wednesday morning and pointed out that a short course of the type offered, sponsored by a land-grant college, fulfills the basic premises of the land-grant college system, established to provide a program of instruction, research and extension in the fields of agriculture.

The program opened with an address on "Landscaping as an Architect Views It," by Bernard W. Friedman, a member of the American Institute of Architects. He pointed out that landscaping is important to any building, since it imparts the quality of "belonging" to the structure.

The speaker pointed out that in Arizona a special problem is created

because the natural desert vegetation is not so sightly as it might be. Established trees are needed to make the buildings look as though they had been standing a long time. Mr. Friedman added that in Tucson people have done a fine job developing the private, or patio area. On the other hand, in the public area of many public buildings planting possibilities have been neglected.

Today's Landscaping

Guy S. Greene, Tucson, a member of the American Society of Landscape Architects, discussed "Landscaping Today." The speaker noted that landscaping today is no different than it was in the times of the Egyptians and Romans. Our talk of indoor-outdoor relationships is not new. However, our way of life has changed considerably, with the rise of the great American middle class. Mass production of many of our implements of life, produced through standardization and automation, has placed less emphasis on craftsmanship and creating. However, the nursery business is one area in which craftsmanship is still important. In addition, planting supplies an avenue for people to make their standardized homes into something of their own creation.

The end result of the nursery business is to make money. Mr. Greene continued, and qualified the statement by adding that a success-

ful business must meet the public demand, and demand will be in the area where there are satisfied customers.

Landscaping today is for people; it is not something done for its own sake or at the whim of the artist—the customer must be satisfied. This is a difficult task, for many people have vague, unformed ideas.

Simplicity Essential

A guide in landscaping is to get at the heart of the problem and solve it in the simplest manner possible. Simplicity is essential, but not easily arrived at. It is backward to think of the cute trick and gimmick and then try to incorporate it in the over-all design. If the problem is solved directly, then the details of the design, which give it the character and personality that so many people strive for, will follow.

The cliches of the trade are too often relied upon. To tell a customer that a certain spot for a tree will "soften the lines of the house" may satisfy for a time. The very trite concept of "foundation planting" too often results in houses that look like "big nesting birds." Those engaged in landscaping should do more than follow the lines of least resistance.

Sprinkler Design

"Sprinkler Design in Patio Planting" was described by Charles Ma-

[Continued on page 81]



Officers and others active in the recent convention of the Arizona Nurserymen's Association at Tucson, left to right, Verne Owen, Owen Nursery & Landscape Service, Tucson, retiring president; Fred Palm, Vista Bonita Nurseries, Phoenix, newly elected president; N. L. Ognibene, Meadowbrook Nursery, Inc., Phoenix; W. H. Norman, Norman Nursery, Phoenix, president for 1956 of the Phoenix chapter, Arizona Association of Nurserymen, and Joseph S. Folkner, horticulture department, University of Arizona.

Western Pennsylvania Meeting

By Frank Curto

The third regular meeting of the Western Region of the Pennsylvania Nurserymen's Association, held at the Hotel Webster Hall, Pittsburgh, Pa., December 8, 1955, was called to order by Chairman Homer Thornton, Conneaut Lake, at 2:45 p. m. There were 57 persons present.

Frank Brushmiller, Pittsburgh, chairman of the nominating committee, gave a report for the nomination of the following officers: Bert Morton, executive committeeman from the western region to serve on the executive committee of the Pennsylvania Nurserymen's Association for three years; Stanley Leonard, Pittsburgh, program chairman for the western region, and Frank Curto, Pittsburgh, secretary-treasurer of the western region.

Walter Morrow, Sewickley, moved that the secretary cast a unanimous ballot for the nominees, and the motion was seconded and carried.

Mr. Morrow also moved that the executive committeeman from the western region whose term of office expires at the end of the fiscal year automatically be made chairman for the western region. The motion was seconded and passed. The membership elected Bert Morton chairman of the cooperative purchasing committee.

Other Nominations

The next order of business was the nomination of officers for the Pennsylvania Nurserymen's Association and instruction of the group's P. N. A. delegate. Herbert Hoechstetter, Verona, nominated Arthur B. Copenhaver, Mechanicsburg, as president; and John Eisler Butler, nominated Homer Thornton for first vice-president. Both nominations were seconded and carried. The chairman then instructed Sam Dible, P. N. A. delegate, to cast a vote for the foregoing nominees and also for the second vice-president nominated by the eastern region.

The nominations concluded the formal business for the afternoon and the meeting was turned over to the program chairman, Louis Wissenbach, Pittsburgh.

Farm Ponds

Mr. Wissenbach introduced as the first speaker Joseph McCurdy, agricultural extension specialist in agricultural engineering, who gave an account, illustrated with colored slides, of the construction and main-

tenance of farm ponds. He discussed in detail the benefits of farm ponds, from the practical, recreational and aesthetic viewpoints, and the location of farm ponds, stressing the necessity of careful investigation of the soil type requirements. At the end of his talk, Mr. McCurdy discussed the maintenance requirements of farm ponds. He also illustrated with slides certain pitfalls to be avoided in the location and construction of ponds.

This discussion was followed by an excellent talk on "Credit," by



Louis E. Wissenbach

Murray Johnson, of the credit department of the Gulf Oil Co. Mr. Johnson, by the use of outlines and various forms passed out to the membership, covered the subject thoroughly.

Talk on Turf

The last talk of the afternoon was given by H. Burton Musser, turf specialist from Pennsylvania State University, who talked on "What's New in Turf?" He reviewed the experiences with Merion bluegrass and stated that it was the best grass for all-purpose lawns in western Pennsylvania. Its only shortcoming is susceptibility to rust, which is not so serious, inasmuch as the disease affects only the leaf blades, so the grass recovers readily. He stated that a new material, actidione, used at the rate of one-half ounce, plus one-fourth pound of sticker, added to 100 gallons of water and sprayed on Merion bluegrass showed promise of controlling rust. He also informed

the membership about two other strains of Kentucky bluegrass—Arboretum and Delta bluegrass, grown at Pennsylvania State University. Tests have not shown any improvement over regular Kentucky blue, both of the new strains being susceptible to leaf spot diseases.

In fescues, Mr. Musser informed the membership that the new Hybrid Penlawn, which has shown considerable promise, will be available in commercial quantities after harvest in 1956. For athletic and play areas, Mr. Musser recommended the use of Kentucky 31 fescue as a grass which will take abuse. He suggested that this grass be mixed with Kentucky blue and creeping fescue for such areas, with a predominance of Kentucky 31 fescue.

Mr. Musser briefly discussed the use of zoysia plugs in Pennsylvania. His recommendation was that if people desired to use this grass they should stick to the Meyer strain of zoysia and use it in limited quantities. Tests on zoysia at Pennsylvania State University indicate that the grass is slow growing and does fairly well during the heat of summer.

Mr. Musser covered the subject of fertilizers thoroughly, including the use of urea-formaldehyde. The talk was concluded by a discussion of new insecticides and herbicides and the use of some of the new types of machinery for aerating and breaking up thatch on lawns.

The meeting was adjourned for the banquet at 6:30 p. m. After the banquet, an amusing talk on the "Psychology of a Clown" was given by Arthur Jennings, with adjournment following at 8:30 o'clock.

PRESIDENT'S TREE

Becks Nursery & Seeds, Spearfish, S. D., report that the 60-foot, 65-year-old Black Hills spruce that stood on the White House lawn at Washington, D. C., for the Pageant of Peace, December 18, and whose 8,000 candles were lit by President Eisenhower through remote control at Gettysburg, was felled—after two days of preparation—about 25 miles from the nursery, at an elevation of 5,000 feet. The tree trunk was over two feet in diameter.

The first part of the 1,500-mile trip to the nation's capital was taken with the branches held in by wire and the tree deposited in a special carrying cradle, to prevent damage on the narrow mountain roads, while men were sent ahead to warn hunters to pull off the road as the tree truck approached on its way to the railroad station at Rochford.

Operating a Garden Center

Chapter 4. Construction of the Lath House

By John J. Pinney

The type of construction you decide upon for your lath house will depend a great deal upon your location in the country and the uses planned for the house. In the north you will need a more substantial house than in the south, because of the heavy snow and ice that it will have to support during the winter. If you are in the land of ice and snow it will be well to place the 2x4's that support the lath shade two feet apart instead of four feet. Your house will have to be well braced to protect it from side thrust and sagging.

Some nurserymen remove the lath shade in winter to prevent its breaking down under the weight of snow and ice. Snow fencing lends itself readily to this operation and for this reason is widely used in the north.

An ingenious nurseryman had galvanized iron sheets cut into strips three inches wide and placed three inches apart to provide shade, instead of lath or wooden slats. The cost was less than wood, the effect was pleasing and the results were satisfactory. Brush is sometimes used for shade; it is inexpensive, but neither neat nor attractive, and has to be replaced every two or three years.

Varying Shade

Shade houses are sometimes built with varying degrees of shade to take care of the requirements of different kinds of plants whose shade

needs are not the same. There is on the market a type of shade manufactured from aluminum and built like Venetian blinds which makes it possible to choose any degree of shade one desires according to season, time of day or kind of plant.

An inexpensive substitute for a shade house that is sometimes employed consists of specimen shade trees planned in the salesyard at regular intervals, rather close together, so plants can be placed under them. One nurseryman who tried this method and later gave it up stated that he is glad he now has a lath house, because it is easier to maintain plants in it. He also found that when his customers saw plants under the trees they felt that they should cost less, because they were not under a lath house.

Camouflage cloth or wire has often been used to construct shade houses. Houses of this type can be built quickly and inexpensively, because the supporting structure can be of lighter construction. Take a word of caution in regard to the use of camouflage cloth. This is often dyed a shade of green. The dye bleaches out in the rain and the drip kills the plants below. If you use a wood preservation on your lath house, be sure it is one that does not contain a weed-killing chemical. There have been some disastrous results from the use of such preservatives.

Because a lath house gives a customer no protection from rain, it is

now a rather common practice to put a rainproof roof or cover over the aisles, at least over the main ones. This protection makes it possible for your customer to shop even during inclement weather. One nurseryman capitalized on his covered aisles by advertising that one could shop in the rain, thereby increasing his business. If you decide that you want to cover the aisles in your lath house, you should plan the interior arrangement of the house before completing the superstructure.

Your next job will be to plan the interior arrangement of your lath house. Here again it will be a good idea to lay it out on paper to scale so you can visualize the entire layout as a unit. The major part of the area will be taken up with beds, or as some call them, bins. These are for the care and display of nursery stock—bare root heeled in, B&B, in cans or in pots. All this should be kept in mind when you are making your plans.

Bed Width

The first decision is how wide to make the beds. The usual widths are four feet, five feet and six feet, although they are sometimes even wider. How wide you make your beds will depend upon several considerations. Heavy balled and burlapped plants will be hard to get out of the middle of a wide bed. On the other hand, they require a lot of room for proper display; so the width



A practical design for a garden center. The garden shop is conveniently located between the conservatory and the shade house. The open front of the shade house presents an inviting appearance and is easy of access.

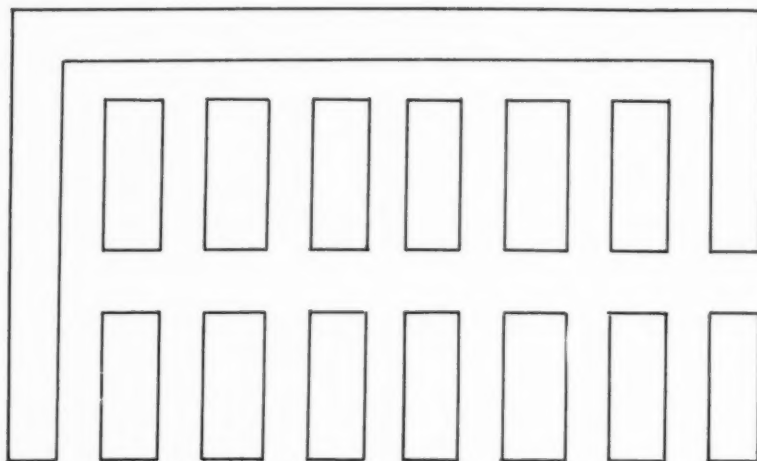


Figure A—A suggested floor plan for a lath house 36x60 feet, open-front design. The supporting posts are spaced 12x12 feet apart each way, and the beds are planned in such a way that the posts will be against the sides of the beds.

for such beds will have to be a compromise.

Narrow beds are wasteful of space, because too much room is taken up by aisles. Wide beds are hard to service, and the stock does not display to best advantage, because much of it is out of the customer's reach or too far away for him to examine it.

In planning your beds you have to take into consideration the location of your supporting posts or pipes. Obviously you cannot have them in the aisles. Neither should they be in the middle of the beds, if it can be avoided. Whenever possible, place the beds so the posts or pipes will be against the sides of the beds. It is wasteful of space to have aisles along the outer perimeter or sides of the lath house. Put beds there instead.

Width of Aisles

How wide should the aisles be? Three feet seems to be the practical minimum; four feet is even better, if the space can be spared. Aisles narrower than three feet are sometimes seen, but they are not to be recommended. It is almost impossible for customers to pass each other in these narrow aisles, and if any of the nursery stock extends over the sides of the beds it will practically block the way. Wider aisles are more inviting to the customer, and the plants in adjoining beds will display to better advantage.

Aisles in cash-and-carry salesyards, a type of operation which will be discussed later, must be made wide enough to accommodate 2-way traffic with the carts or wagons that the customers use. It is desirable to have a main or center aisle running the length of the house, cutting

through the beds at right angles. Make this main aisle wide, six feet if you can spare that much space.

Try to avoid dead-end aisles. They are not inviting and some customers will not enter at all. Furthermore, they tend to cause traffic congestion, which is distasteful to many. Plan for a natural flow of traffic that permits easy access to any part of the lath house. Extra-long beds are to be avoided, because they also contribute to traffic tangles.

Bed Arrangement

Customarily, the beds are constructed parallel or at right angles to the sides of the lath house, but some nurserymen have departed from the conventional and have built their beds at an angle, as shown in figure B. This unusual arrangement, say those who have tried it, not only adds interest to the display, but permits a greater variety of nursery stock to claim the attention of the customer as he approaches. One obvious objection to such an arrangement is that the acute angles in each bed might result in some wasted space.

A pleasing arrangement that is sometimes encountered is to have the beds extend out beyond the shade of the lath house, especially in front or in the direction from which the customer approaches. This not only adds greatly to the apparent size of the display area, but provides beds for plants which prefer full sunlight.

Open-Front Plan

There is a great deal to be said in favor of having the entire front of the lath house open, as then there is no doubt in the mind of the customer where he should enter the

house, for he can enter anywhere. Some garden centers are planned with only one entrance, forcing the customer to follow a fixed traffic pattern that exposes him to as much allied merchandise as possible. It has been found that many customers resent this as a form of coercion.

The wide-open front of a lath house gives exactly the opposite impression; it is friendly and inviting. Not only that, but it makes the place look larger, and more merchandise is visible at a glance. The wide-open front makes it possible to move the plants quickly and easily to the customers' cars, thus cutting down on congestion, an important consideration during the peak seasons.

A frequently voiced objection to the open front is that it increases the danger of theft. That probably is true, but actually the danger is not great. Folks who love plants are rarely thieves. One who really wants to steal usually looks for something more valuable for its size than nursery stock. Garden center operators who have open-front lath houses report that theft poses no serious problem. Many garden center operators light their grounds at night, thus discouraging pilfering. Those who are skeptical about the honesty of the public can contrive movable gates to put up at night.

Construction of Beds

The beds in the lath house are usually built of 1-inch boards. Unfinished boards are stronger, but not so easily painted. Sometimes 2-inch planks are used, but the need for such heavy construction is not often apparent. Boards 10 inches or 12 inches wide are most often used in building beds.

The depth of the beds depends upon the kind of plants that are to be displayed. Large B&B plants

[Continued on page 67]

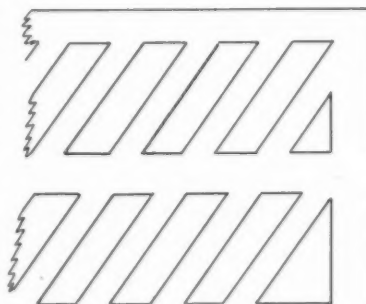


Figure B—Unusual arrangement of beds in an open-front lath house. This arrangement adds interest to the display, and a greater variety of nursery stock claims the attention of the customer as he approaches.

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JANUARY 1, 1956

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Selective Promotion Builds Nursery Business

By Bruce Patton

The sales opportunities open to nurseries are increasing every day as the public becomes more landscaping-conscious. This trend poses a real challenge to the individual firm seeking a share of this growing market.

Carl Conner, vice-president, Conner & Amos, Inc., Charleston, W. Va., believes that the number of small homeowners who are becoming customers for the first time are creating a mass market. At the same time, he says "We need to reach the right prospects in the right way, without wasting advertising dollars."

This selective approach to sales promotion is one of the important factors behind the healthy business growth of Mr. Conner's firm, which he heads in partnership with his brother, Atlee, president, and John E. Amos, secretary-treasurer. When Conner & Amos, Inc., was launched in 1942, the Conner brothers brought to it 14 years of experience operating their own landscaping firm.

Suburban Salesyard

With only 15 employees at the start, the firm now requires 30 persons, including two full-time landscape designers, to handle the retail and wholesale operations. Six trucks are kept busy on customer delivery and for hauling plants and shrubs from the firm's 200-acre farm 25 miles northwest of Charleston. The large inventory includes close to one million shrubs in the field and in the beds. They range from liners to finished stock.

In his work overseeing the retail end of the business, Carl Conner has

plenty of chances to meet the public. His offices, in the firm's central building, adjoin a 4½-acre sales lot located two miles from Charleston in the suburb of Mink Shoals. From the telephone calls and the drive-in trade that go here, Mr. Conner can see how his efforts to reach prospects are succeeding.

In his advertising program he makes use of three principal media—classified telephone directories, direct mail and newspapers. With some of this advertising, he wants to create interest in better landscaping. Adding a welcome assist to his promotion along this line are the activities of the 25 or more garden clubs in the Charleston area.

"The clubs do a wonderful job of educating people and making them more plant-conscious," Mr. Conner declares, "and we are always on the lookout for means of directing this buying interest to our door."

Telephone Book Listings

An economical way of doing this, he adds, is through a schedule of advertising in the classified pages of the telephone book. Nearly all of his new customers and even a great many of his regular patrons have reason, he believes, to refer to the yellow pages' listings. As he puts it, "Where else can they find a landscaper's telephone number or location when they want it?"

Mr. Conner makes sure that his firm will be easy to find for anyone seeking this information. Conner & Amos, Inc., appears with listings and ads in the sections for "Nurserymen," "Landscaping Contractors

and Gardeners," and "Landscape Architects" in the classified pages of the Charleston telephone book. Of particular value is the large display ad that the firm has maintained for the past six or seven years under the "Nurserymen" heading.

"Since this ad is, in a sense, our number one calling card," Mr. Conner remarks, "we have done everything we can to make sure that it gives the very best impression of us."

Prestige Copy

He believes that the ad's prominent size, by itself, is evidence to the prospective customer that he will be dealing with a substantial and reputable concern. This impression is confirmed by several of the facts given in the ad. Offering "Complete landscape service" and "Over 200 acres of locally grown plants," the ad also cites the firm's membership in three state and national nurserymen's associations.

Mr. Conner declares that his own working day is a 14-hour, sometimes a 16-hour one, and he is convinced that his telephone book advertising has a lot to do with this. Any telephone call reaching the office after the 5 p. m. closing time is automatically switched to his home telephone. Mr. Conner talks to an average of five callers a night, many of them prospects with an inquiry, a request for a Conner & Amos, Inc., landscape plan, or, as he puts it, "Someone who just wants to talk about plants."

This willingness to be available
[Continued on page 50]

Complete... LANDSCAPE SERVICE

Conner and Amos
INCORPORATED

"Over 200 Acres of Locally Grown Plants"

Members Of W. Va. Nurserymen Association
Members Of American Association Nurserymen
Member Of National Landscape Nurserymen Association
NURSERYMEN and LANDSCAPE ARCHITECTS

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OLD DUTCH ROAD
US 116
US 116
LE RIVER

Easy-to-follow route map in prominent classified advertisement draws customers to sales lot.

THIS BUSINESS OF OURS

Reflections on the Problems of Nurserymen

By E. Sam Hemming

CARE OF BOXWOOD

The past two years, with their hot spells, droughts, wet spells and hurricanes, have been hard on English boxwood, and customers in various areas may be seeking suggestions for care of the plants. The following recommendations are based on my 25 years' experience.

Added to the weather troubles has been the fear that nematodes, which are now being found on box roots, are going to destroy many plants. Alden Hopkins, landscape architect at Williamsburg, Va., in a talk at a meeting in Washington, mentioned his difficulties with nematodes on box. One of my clients who owns an old colonial estate had a sick box plant; she sent a specimen of the roots away and was told there were nematodes present. My own experience with them has been nil, and while I do not say the pests cannot be serious, I am not so pessimistic as to think that they will doom centuries-old box gardens. Until such time as the pathologists discover a nematicide that will not hurt the box plant, it might be well to fall back on cultural cures.

A plant with nematodes loses a great share of its roots, and as a result the foliage turns yellow from starvation. The same thing happens when the plant is growing in too wet a location; in fact, inspectors have dug up plants in our nursery in similar situations, thinking there were nematodes present. Plants like these can be saved if one wishes to save them, for they will put out a new batch of roots near the collar. Nematologists say box plants bothered with nematodes will do the same. Young plants like this are best saved by digging them up and replanting in rich loamy well-drained soil. To balance the loss of roots, prune the tops; this is best done by breaking out twigs from the top without leaving large holes. Reduce the moisture loss by shading, and then feed the plants. Box plants like nitrogen; when their root system is curtailed, give nitrogen to them in a quick form. I have brought many a sick yellow plant back to rich green color with ammonium nitrate. Of course, it must be applied judiciously, and I should not suggest recommending

it to customers to use. Boxwood responds well to chicken manure, to camellia fertilizer and to cottonseed meal. My father used to suggest digging a sick plant up and actually washing its roots and replanting; that certainly would not hurt small box.

Like Loamy Soil

Boxwood found on the old colonial estates is usually growing in rich loamy topsoil a foot or more thick and under light shade trees like black locusts. The sections of hedges that are long since gone were in clay streaks, in gravelly spots, in wet spots or under heavy trees. The client I mentioned showed me the sick plant, and it was at the base of a heavy tree.

Boxwood turns various off-color shades from different causes. An orange green is usually the result of wet feet. Poor clay soil will turn the plant light orange green. Red spiders, fertilizer deficiency and drought will turn the plants yellow green. Plain cold weather will turn the foliage bronzy green, and, of course, dog injury will result in a black-brown appearance.

The very hot July and the 17 inches of rain in August caused a great deal of wilt, or canker, on box this year. This trouble can be serious, but it is curable. It is characterized by small and large twigs' dying out all over the plant, and unless treated, the wilt will kill whole plants. You can identify the disease by the pink spore bodies on the dead leaves in the thick foliage; black spore bodies are harmless. The treatment is to break out all dead twigs and some good twigs, to let air in. Clean out all dead leaves from top and bottom, spray the inside of the plant with Bordeaux mixture and feed and mulch with peat moss.

Most nurserymen are familiar with red spider damage. Red spiders never kill, but make plants unsightly. I like an oil spray, such as Volck, best; then I feed and water the plant to make it green again.

This year one of our customers found a little gray larva about one inch long that fed on her boxwood. It was new to the state entomologist, but responded to DDT spray.

One of the most important treat-

ments to give box is the proper pruning. Often I find plants that are so thick in foliage that the accumulation of filth and old leaves about six inches back on the twig will be so thick that, during a humid spell, roots two to three inches long will form. It is important that this accumulation be cleaned out, with enough of the healthy twigs, too, to allow air circulation without making unsightly holes.

The real secret in handling box is to remember that it has a tremendous foliage surface; so balance the transpiration rate to the roots' capabilities of absorption, by watering, by shading, by wind protection and by feeding and mulching as one's judgment directs.

O'ROURKE TO THAILAND

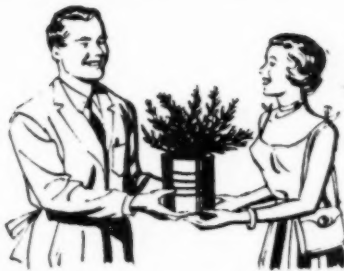
F. L. (Steve) O'Rourke, horticulturist, now with the international cooperation administration, Washington, D. C., and formerly with Michigan State University, East Lansing, has been given an assignment at Bangkok, Thailand. He planned to leave Washington December 19 and spend a week each in southern California, Hawaii and the Philippines, visiting nurseries and experiment stations, and will reach Bangkok about January 7. His assignment is "to furnish Thai officials, technicians, field workers, extension staffs and farmers with training and technical assistance in all phases of their program for production, development, improvement and expansion of the fruit and nursery industry in Thailand." Until recently, Mr. O'Rourke had been on a project in Ecuador.

SCHMIDT FIRM CLOSING

The landscape contracting and nursery firm that has been conducted as J. H. Schmidt & Son, Inc., Millburn, N. J., is in process of complete liquidation, according to Martha Schmidt Gibb, president. Part of the nursery property has already been sold. Mrs. Gibb is moving to Deep River, Conn., with her husband, who has been transferred to that area in his work. She anticipates continuing landscape planning in her capacity of landscape architect, but has made no definite arrangements.

RALPH M. FISHER, formerly associated with C. R. Burr & Co., Manchester, Conn., recently assumed the job of superintendent of growing for the D. Hill Nursery Co., Dundee, Ill.

Still another example of how Monrovia Nursery helps you build your business!



Pot Grown

CONIFER LINERS

grow faster—earn faster
for you!

Sturdy roots—fostered by scientific growing methods—are responsible for the unusually rapid “growing-on” qualities MN conifer liners offer you! When these husky young conifers are shipped to you, root systems are perfectly formed and easily transplanted without shock. Each liner comes to you with original, scientifically blended growing soil—in a sturdy paper pot. Special featherweight shipping containers bring your plants to your door safely and at low cost.



A FEW EXAMPLES FROM MN's HUGE ORNAMENTAL STOCK

ORDER NOW FOR IMMEDIATE OR SPRING DELIVERY

In 2 1/4" and 3" pots as listed—minimum 25 per variety

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| | Price per 100 2 1/4-in. Pots |
|---|------------------------------------|
| <i>Cedrus atlantica</i> (seedlings) | \$17.50 |
| <i>Cedrus libani</i> | 17.50 |
| <i>Juniperus chinensis columnaris</i> , 3-in. pot. | 45.00 |
| <i>Juniperus chinensis pfitzeriana</i> | 17.50 |
| <i>Juniperus chinensis pfitzeriana Blue</i> | 20.00 |
| <i>Juniperus chinensis pfitzeriana compacta</i> | 20.00 |
| <i>Juniperus sabina tamariscifolia</i> , 3-in. pot | 35.00 |

| | Price per 100 2 1/4-in. Pots |
|--|------------------------------------|
| <i>Juniperus virginiana burki</i> | \$25.00 |
| <i>Pinus mugo mughus</i> | 20.00 |
| 3-in. pot | 35.00 |
| <i>Pinus sylvestris rigensis</i> | 15.00 |
| <i>Podocarpus macrophyllus maki</i> | 17.50 |
| <i>Thuja occidentalis compacta erecta</i> | 17.50 |
| <i>Thuja orientalis holmani</i> | 17.50 |
| <i>Thuja orientalis pyramidalis</i> | 17.50 |



MONROVIA NURSERY Co.

P.O. BOX Q, AZUSA, CALIFORNIA

QUALITY LINING-OUT STOCK

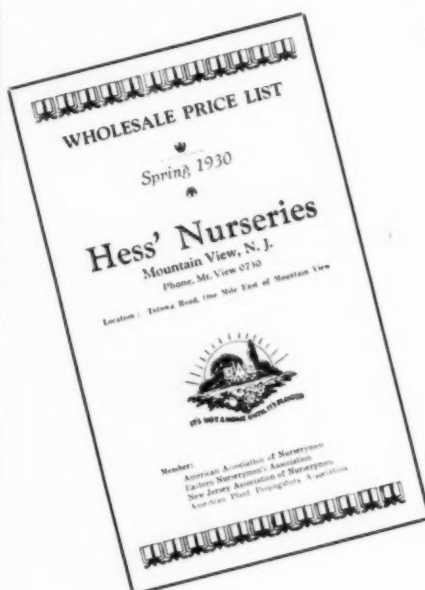
AT REASONABLE PRICES

COMPARE TODAY'S PRICES →

WITH THOSE OF

25 YEARS AGO ↗

WHOLESALE PRICE LIST—SPRING, 1930



EVERGREEN SEEDLINGS

These are two years old, grown with plenty of room in the seedbeds. These are our customers getting a uniform grade, we discard all weak and inferior seedlings when filling orders.

| | | | | |
|---------------------------|------|-------|--------------------------------------|------|
| <i>Abies brachyphylla</i> | 2.00 | 17.50 | <i>Picea pungens</i> (select strain) | 2.50 |
| <i>Abies firma</i> | 2.00 | 17.50 | <i>Pinus austriaca</i> | 2.00 |
| <i>Abies fraseri</i> | 2.00 | 17.50 | <i>Pinus densiflora</i> | 1.50 |
| <i>Abies nordmanniana</i> | 3.50 | 30.00 | <i>Pinus mugo</i> | 2.00 |
| <i>Abies pectinata</i> | 3.00 | | <i>Pinus ponderosa</i> | 2.00 |
| <i>Abies veitchi</i> | 2.50 | 20.00 | <i>Pinus resinosa</i> | 2.50 |
| <i>Ilex crenata</i> | 4.00 | 35.00 | <i>Taxus cuspidata</i> | 6.00 |
| <i>Picea canadensis</i> | 2.00 | 15.00 | <i>Thuja orientalis</i> | 1.50 |
| <i>Picea excelsa</i> | 1.50 | 10.00 | <i>Tsuga diversifolia</i> | 3.50 |
| <i>Picea orientalis</i> | 5.00 | 40.00 | <i>Tsuga sieboldi</i> | 3.50 |
| <i>Picea polita</i> | 2.50 | 20.00 | | |

TRANSPLANTED EVERGREENS

| | |
|---|---------|
| <i>Abies brachyphylla</i> , 4 to 6 ins. | \$ 7.50 |
| <i>Picea polita</i> , 4 to 6 ins. | 10.00 |
| <i>Picea pungens</i> , 4 to 6 ins. | 6.00 |
| <i>Picea pungens</i> , 6 to 8 ins. | 8.50 |
| <i>Pinus austriaca</i> , 4 to 6 ins. | 5.00 |
| <i>Pinus mugo</i> , 3 to 4 ins. | 5.00 |
| <i>Pinus mugo</i> , 4 to 6 ins. | 10.00 |

DECIDUOUS SEEDLINGS

| | |
|---|--------|
| <i>Clematis paniculata</i> , 1-yr. | \$2.00 |
| <i>Cornus kousa</i> , 1-yr. | 4.00 |
| <i>Koeleruteria paniculata</i> , 1-yr. | 3.50 |
| <i>Salisburia adiantifolia</i> (<i>Ginkgo biloba</i>) | 4.00 |
| <i>Syringa japonica</i> , 2-yr. | 5.00 |
| <i>Syringa vulgaris</i> , 2-yr. | 1.50 |
| <i>Viburnum americanum</i> , 1-yr. | 2.50 |

GRAFTED STOCK

All our grafts are worked on transplanted understock of our own growing. All junipers are on *Juniperus virginiana*, which is guaranteed free of blight. They will be shipped out of pots and be well-established plants.

| | Per 10 | Per 100 | | Per 10 |
|---|--------|---------|--|--------|
| <i>Acer polymorphum atropurpureum</i> | \$6.00 | \$50.00 | <i>Juniperus squamata</i> | \$4.00 |
| <i>Acer dissectum atropurpureum</i> | 6.00 | 50.00 | <i>Juniperus squamata variegata</i> | 4.50 |
| <i>Biota aurea nana</i> | 3.00 | 27.50 | <i>Juniperus squamata meyeri</i> | 5.00 |
| <i>Biota aurea conspicua</i> | 3.00 | 27.50 | <i>Juniperus virginiana burki</i> | 4.50 |
| <i>Biota aurea elegantissima</i> | 3.00 | 27.50 | <i>Juniperus virginiana keteleeri</i> | 4.00 |
| <i>Cornus florida rubra</i> | 6.00 | 50.00 | <i>Juniperus virginiana canaerti</i> | 4.00 |
| <i>Fagus sylvatica heterophylla</i> | 6.00 | 50.00 | <i>Picea pungens kosteriana</i> | 6.50 |
| <i>Fagus sylvatica pendula</i> | 6.00 | 50.00 | <i>Picea pungens moerheimi</i> | 8.50 |
| <i>Fagus sylvatica riversi</i> | 6.00 | 50.00 | <i>Pinus cembra</i> | 6.00 |
| <i>Juniperus chinensis</i> | 4.00 | 35.00 | <i>Pinus tanyosho</i> | 4.00 |
| <i>Juniperus chinensis albo-variegata</i> | 4.00 | 35.00 | <i>Retinospora obtusa crispis</i> | 3.50 |
| <i>Juniperus chinensis columnaris Blue</i> | 4.50 | 40.00 | <i>Retinospora filifera aurea</i> | 3.50 |
| <i>Juniperus chinensis columnaris viridis</i> | 4.50 | 40.00 | <i>Thuja lobbi atrovirens (plicata)</i> | 3.50 |
| <i>Juniperus chinensis fortunei</i> | 4.00 | 35.00 | <i>Thuja occidentalis elegantissima</i> | 3.50 |
| <i>Juniperus chinensis neaborensis</i> | 4.00 | 35.00 | <i>Thuja occidentalis douglasii spiralis</i> | 3.50 |
| <i>Juniperus chinensis oblonga</i> | 4.00 | 35.00 | <i>Thuja occidentalis lutea B & A type</i> | 3.50 |
| <i>Juniperus chinensis sargentii</i> | 4.50 | 40.00 | <i>Thuja occidentalis pyramidalis</i> | 3.50 |
| <i>Juniperus japonica</i> | 4.00 | 35.00 | <i>Thuja occidentalis rosensthali</i> | 3.50 |
| | | | <i>Tsuga sargentii</i> | 6.00 |

If larger quantities are wanted, send us your want list for special quotations.

TERMS: Usual terms as established by American Association of Nurserymen to those of established credit. Unknown correspondents kindly remit cash with order, or submit references with time to investigate. No goods sent C.O.D., unless 25% amount is sent with order.

Prices are net F.O.B. our nursery, but include cost of packing. No charge will be made for delivery to freight or express station.

CK L, 1955 — SPRING, 1956

SEEDLINGS, ETC.

| | Per 100 | Per 1000 |
|--|---------|----------|
| ecolor, 3-yr., S., 6 to 8 ins. | \$10.00 | |
| locarpa, 2-yr., S., 2 to 4 ins. | 4.00 | \$ 35.00 |
| atum, 2-yr., S., 6 to 10 ins. | 6.00 | 50.00 |
| atum, 3-yr., transplanted understock | 10.00 | 85.00 |
| atum atropurpureum, 1-yr., S., 3 to 6 ins. | 15.00 | 125.00 |
| atum atropurpureum, 2-yr., transplants, 6 to 10 ins. | 25.00 | |
| um, 2-yr., S., 10 to 15 ins. | 5.00 | 45.00 |
| ivatica, 1-yr., S., 4 to 6 ins. | 7.50 | 65.00 |
| ivatica, 1-yr., S., 6 to 8 ins. | 10.00 | 85.00 |
| ata, 2-yr., S., 3 to 6 ins. | 4.00 | 35.00 |
| ata, 3-yr., S., 6 to 8 ins. | 7.50 | 65.00 |
| ata rotundifolia, heavy, 3-yr., S., 8 to 12 ins. | 10.00 | 85.00 |
| ra, 4-yr., S., 12 to 18 ins. | 15.00 | 125.00 |
| ellata, 2-yr., S., 10 to 18 ins. | 10.00 | 75.00 |
| glauca, 1-yr., S., 2 to 4 ins. | 5.00 | 45.00 |
| glauca, 2-yr., S., 10 to 18 ins. | 10.00 | 85.00 |
| ensylvanica, 1-yr., S., 4 to 8 ins. | 4.00 | 35.00 |
| um arboreum, transplants, 8 to 12 ins. | 25.00 | |
| ies (exceles), 2-yr., S., 4 to 8 ins. | 4.00 | 35.00 |
| S., 6 to 12 ins. | 6.00 | 50.00 |
| planted understock | 10.00 | 85.00 |
| uca, 2-yr., S., 3 to 6 ins. | 4.00 | 35.00 |
| uca, 3-yr., S., 6 to 10 ins. | 6.50 | 50.00 |
| ugens glauca, 2-yr., S., 3 to 6 ins. | 4.00 | 35.00 |
| S., 4 to 6 ins. | 7.50 | 45.00 |
| S., transplants, 6 to 8 ins. | 17.50 | |
| ristata, 4-yr., S., 6 to 8 ins. | 7.50 | 60.00 |
| embra, transplants, 3 to 6 ins. | 35.00 | |
| exilis, 2-yr., S., 2 to 3 ins. | 4.00 | 35.00 |
| exilis, 3-yr., S., 2 to 3 ins. | 6.50 | |
| go (True Dwarf Tyrolean), 2-yr., S., 3 to 4 ins. | 6.00 | 50.00 |
| go (True Dwarf Tyrolean), 3-yr., S., 4 to 6 ins. | 7.50 | 60.00 |
| go pumilio, 2-yr., S., 3 to 4 ins. | 6.00 | 50.00 |
| robus, 2-yr., S., 6 to 8 ins. | 6.00 | 50.00 |
| urbergi, 3-yr., S., 8 to 12 ins. | 5.00 | 40.00 |
| uga taxifolia glauca, 2-yr., S., 4 to 8 ins. | 5.00 | 35.00 |
| S., 6 to 10 ins. | 6.00 | 50.00 |
| S., 12 to 18 ins. | 10.00 | 75.00 |
| pitata, 2-yr., S., 3 to 6 ins. | 12.00 | 100.00 |
| pitata, transplants, 3 to 6 ins. | 17.50 | 150.00 |
| entalis, transplanted understock | 7.50 | 65.00 |
| adensis, 2-yr., S., 4 to 8 ins. | 6.00 | 50.00 |
| adensis, transplants, 6 to 8 ins. | 15.00 | 125.00 |
| roliniana, 3-yr., S., 6 to 8 ins. | 10.00 | 75.00 |
| laniana, 2-yr., S., 6 to 12 ins. | 10.00 | |
| setigerum, 1-yr., S., 4 to 8 ins. | 12.50 | |
| wrighti, 1-yr., S., 6 to 10 ins. | 10.00 | 75.00 |

Well-Established Cuttings from 2-1/4 in. Pots

| | Per 10 | Per 100 | | Per 10 | Per 100 |
|------------------------------------|--------|---------|---------------------------------------|--------|---------|
| clianae | \$3.00 | \$25.00 | Juniperus depressa plumosa | \$2.25 | \$17.50 |
| eruculosa | 3.00 | 25.00 | Juniperus glauca hetzi | 2.25 | 17.50 |
| eris cyano viridis | 2.25 | 17.50 | Juniperus horizontalis Bar Harbor | 2.25 | 17.50 |
| eris filifera aurea | 2.25 | 17.50 | Juniperus pfitzeriana | 2.75 | 22.50 |
| eris plumosa aurea | 2.25 | 17.50 | Juniperus pfitzeriana nana | 2.75 | 22.50 |
| campanulatus | 2.25 | 17.50 | Lonicera pileata | 2.25 | 17.50 |
| carrierei | 2.25 | 17.50 | Mahonia bealei | 2.30 | 20.00 |
| vetus | 2.25 | 17.50 | Pieris japonica | 2.25 | 17.50 |
| ilium ciliata Major | 4.50 | 40.00 | Prunus laurocerasus schiphaensis | 4.50 | 40.00 |
| ilium convexa | 2.25 | 17.50 | Rhododendron Wilsoni | 4.50 | 40.00 |
| ilium helleri | 2.25 | 17.50 | Taxus baccata repandens | 2.25 | 17.50 |
| ilium microphylla | 2.25 | 17.50 | Taxus canadensis | 2.25 | 17.50 |
| ilium rotundifolia | 2.25 | 17.50 | Taxus cuspidata aurea | 2.75 | 22.50 |
| ilium burfordi | 4.50 | 40.00 | Taxus cuspidata capitata | 2.75 | 22.50 |
| ilium | 2.25 | 17.50 | Taxus cuspidata F&F compacta | 2.25 | 17.50 |
| ilium 4 to 6 ins. in the following | | | Taxus cuspidata densiformis | 2.25 | 17.50 |
| varieties | 4.50 | 40.00 | Taxus media browni | 2.25 | 17.50 |
| ilium Joyce | | | Taxus media Mailerian | 2.25 | 17.50 |
| ilium Lake City | | | Taxus media hatfieldi | 2.25 | 17.50 |
| ilium Mae | | | Taxus media henryi | 2.25 | 17.50 |
| ilium Manig | | | Taxus media hicksi | 2.25 | 17.50 |
| ilium Merry Christmas | | | Taxus media Moon's columnaris | 2.25 | 17.50 |
| ilium Osa | | | Taxus media Vermeulen | 2.25 | 17.50 |
| ilium Uncle Tom | | | Taxus media wardi | 2.25 | 17.50 |
| ilium | | | Thuja occidentalis globosa, Howe type | 2.25 | 17.50 |
| ilium | | | Thuja occidentalis nigra | 2.25 | 17.50 |

Grafted Stock for Spring, 1956, Delivery

are normally ready for shipment after April 15. Since there is a possibility of damage by late spring frost, kindly give shipping date when you feel it is safe to plant without frost injury.

| | Per 10 | Per 100 | | Per 10 | Per 100 |
|--|-----------------|---------|---|--------|---------|
| atum atropurpureum | \$7.50 | \$65.00 | liex opaca mascula | \$7.00 | \$60.00 |
| atum dissectum atropurpureum | 7.50 | 65.00 | Juniperus chinensis columnaris g. auct. | 6.00 | 50.00 |
| atum columnare | 7.50 | 65.00 | Juniperus chinensis columnaris vi. idis | 6.00 | 50.00 |
| atum monumentale | 7.50 | 65.00 | Juniperus chinensis ketelerei | 6.00 | 50.00 |
| atum glauca | 7.50 | 65.00 | Juniperus chinensis neoborealis | 6.00 | 50.00 |
| ida alba plena | 6.00 | 50.00 | Juniperus chinensis sargentii | 6.00 | 50.00 |
| ida rubra | 6.00 | 50.00 | Juniperus chinensis sargentii glauca | 6.00 | 50.00 |
| ida rubra Prosser | 7.50 | 65.00 | Juniperus sabina Von Ehren | 6.00 | 50.00 |
| osa chinensis | 6.00 | 50.00 | Juniperus squamata meyeri | 6.00 | 50.00 |
| atica riversi | 6.00 | 50.00 | Taxus canadensis | 6.00 | 50.00 |
| ilium mollis | 6.00 | 50.00 | Juniperus virginiana canari | 6.00 | 50.00 |
| ilium vernalis | 6.00 | 50.00 | Juniperus virginiana elegantissima | 6.00 | 50.00 |
| ilium femina | 7.00 | 60.00 | Juniperus virginiana glauca | 6.00 | 50.00 |
| selection of the following named varieties: | | | Juniperus virginiana globosa | 6.00 | 50.00 |
| Hookstraw (Old) | Manig | | Juniperus virginiana kosteriana | 6.00 | 50.00 |
| Heavy Berry) | Merry Christmas | | Juniperus virginiana schottii | 6.00 | 50.00 |
| Tide | Miss Helen | | Juniperus virginiana pyramidaliformis hilli | 6.00 | 50.00 |
| ley | Lake City | | Magnolia rustica rubra | 7.00 | 60.00 |
| ley | Mae | | Magnolia sieboldii parviflora | 7.00 | 60.00 |
| for quotations on varieties of your selection) | | | | | |

eedle pines cannot be shipped in the following states: Arizona, California, Colorado, Georgia, Kentucky, New Mexico, Nevada, South Carolina, Tennessee. Due to handling costs, orders for less than \$5.00 cannot be accepted.

Prices in this list are net cash F.O.B. Mountain View, N. J., but the usual terms will be extended to those of established credit. No goods sent unless 10% of amount is sent with order. Five of one kind will be billed at the 10 rate; 25 at the 100 rate; 250 at the 1000 rate. From not acquainted with our stock, a trial order will be appreciated. Packing extra at cost.

ESS' NURSERIES

MOUNTAIN VIEW, N. J.

WHOLESALE PRICE LIST

Fall, 1955 - Spring, 1956

Hess' Nurseries

MOUNTAIN VIEW, NEW JERSEY
LOCATION: TOWNA ROAD
Opposite Passaic County Golf Course
One mile East of Mountain View
Phone Mountain View 8-0728

Member - National Association of Nurseries

Prices in this list are net cash F.O.B. Mountain View, N. J., but the usual terms will be extended to those of established credit. No goods sent unless 10% of amount is sent with order. Five of one kind will be billed at the 10 rate; 25 at the 100 rate; 250 at the 1000 rate. From not acquainted with our stock, a trial order will be appreciated. Packing extra at cost.

And again it is CHICAGO IN JANUARY!

For the largest gathering of nurserymen that will be brought together by any of the winter meetings.

It will pay you to be there and it will also pay you to make your hotel reservations NOW. Indications are that our 1956 convention will again be the "largest ever."

Of all months, January is the heaviest convention month in Chicago, and hotel men advise us that the situation will be tight and early reservations necessary. Write now for your reservations to the Hotel LaSalle, LaSalle and Madison Sts., Chicago 2, Ill., and be sure to mention the nurserymen's meetings.

The change in meeting dates last year to Monday, Tuesday and Wednesday, rather than a day later in the week worked out so satisfactorily that we will again open our meetings on Monday. The dates for the 1956 convention being January 16-17-18, 1956, with meetings of allied associations, including the National Landscape Nurserymen's Association, on Sunday, January 15. The meeting of the Board of Directors of the American Association of Nurserymen will follow our meetings on January 19 and 20. The registration desk will be open on Sunday, January 15.

Meeting Dates:

**ILLINOIS STATE NURSERYMEN'S ASSOCIATION,
ANNUAL CONVENTION
January 16-17-18, 1956**

**AMERICAN ASSOCIATION OF NURSERYMEN,
BOARD OF DIRECTORS
January 19-20, 1956**

**NATIONAL LANDSCAPE NURSERYMEN'S ASSOCIATION,
MIDWINTER CONFERENCE
January 15, 1956**

Closed meetings of a number of allied national nurserymen's associations will also be held over the week-end.

ILLINOIS STATE NURSERYMEN'S ASSOCIATION

The Place to Meet Nurserymen from all New England!

The

**NEW ENGLAND NURSERYMEN'S ASSN.
winter meeting**

February 7, 8 and 9, 1956
Hotel Kenmore, Boston, Mass.

For exhibit space, contact:

Jack Shore, Chairman of Exhibit Committee, J. Shore & Co.,
Chelsea, Mass.
Erwin W. Whitham, Secretary, 42 Gerard St., Manchester, Conn.

HIDDEN VALLEY NURSERY

offers Gleditsia triacanthos, Carpinus caroliniana, Platanus acerifolia, Quercus palustris, Liquidambar styraciflua, Acer rubrum, Fraxinus americana, Morus alba, Robinia pseudacacia, Betula papyrifera, Celtis occidentalis, Catalpa speciosa, Pinus strobus, Pinus nigra.

HUBERT VAN DUYN, Proprietor

Phone: MI 7-1138 MILLINGTON, N. J.

Quality Nursery Stock Since 1885

**BROWN BROTHERS CO.
EAST ROCHESTER, N. Y.**

COMING EVENTS

MEETING CALENDAR

January 3 and 4, Western Association of Nurserymen, annual convention, Hotel Muehlebach, Kansas City, Mo.

January 4 to 6, Eastern Nurserymen's Association, annual meeting, Hotel Roosevelt, New York.

January 5 and 6, Michigan Landscape Conference, Kellogg Center, Michigan State University, East Lansing, Mich.

January 5 and 6, Oklahoma State Nurserymen's Association, annual convention, Mayo hotel, Tulsa, Okla.

January 8 to 10, North Carolina Association of Nurserymen, short course, Student Union building, North Carolina State College, Raleigh, N. C.

January 9 to 11, Indiana Arborists' Association, winter meeting, Purdue Memorial Union, West Lafayette, Ind.

January 9 to 20, annual Virginia nurserymen's short course, sponsored by department of horticulture, Virginia Polytechnic Institute, Blacksburg, Va.

January 11, Iowa landscape nurserymen's conference, Iowa State College, Ames, Ia.

January 11, Maryland Nurserymen's Association, annual meeting, Southern hotel, Baltimore, Md.

January 11 to 13, Indiana Association of Nurserymen, winter meeting, Purdue Memorial Union, West Lafayette, Ind.

January 12 to 14, Iowa Nurserymen's Association, winter meeting, Kirkwood hotel, Des Moines, Ia.

January 15, National Landscape Nurserymen's Association, winter meeting, Hotel LaSalle, Chicago.

January 15, All-America Rose Selections, winter meeting, Hotel La Salle, Chicago.

January 16 and 17, New York State Arborists' Association, annual arborists' school, in cooperation with the college of forestry of the State University of New York, Syracuse, and the college of agriculture at Cornell University, Ithaca, Hotel Onondaga, Syracuse, N. Y.

January 16 to 18, Idaho Nurserymen's Association, garden school and meeting, Crystal ballroom, Hotel Boise, Boise, Ida.

January 16 to 18, Illinois State Nurserymen's Association, annual convention, Hotel LaSalle, Chicago, Ill.

January 16 to 18, Ohio State University's annual short course for arborists, landscape gardeners and nurserymen, Ohio State University, Columbus, O.

January 17, National Mail Order Nurserymen's Association, winter meeting, Hotel LaSalle, Chicago.

January 18 to 20, Ohio Nurserymen's Association, winter meeting, Neil House, Columbus, O.

January 20, Western New York Nurserymen's Association, winter meeting, Sheraton hotel, Rochester, N. Y.

January 22 to 24, Virginia Nurserymen's Association, 25th annual convention, Hotel John Marshall, Richmond, Va.

January 23 and 24, Washington State Nurserymen's Association, winter convention, Benjamin Franklin hotel, Seattle, Wash.

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THE SOUTHERN NURSERYMEN'S ASSOCIATION

PRESENTS —

A PROVEN

MERCHANDISING METHOD

in their ANNUAL WINTER TRADE MEET

JANUARY 29, 30 and 31, 1956

Atlanta, Georgia

Hotel Biltmore

Seeing a product — hearing about it — answering ques-
tions — getting acquainted with your buyer and/or sup-
plier — THAT'S THE PURPOSE OF THE TRADE MEET.

January 24, Massachusetts Nursery-
men's Association, annual meeting, Hotel
Kenmore, Boston, Mass.

January 24 and 25, Kentucky Nursery-
men's Association, winter meeting, Lafay-
ette hotel, Lexington, Ky.

January 25, 1-day program for nursery-
men sponsored by the extension services
of Nassau and Suffolk counties, New
York, at the Long Island Agricultural
and Technical Institute, Farmingdale.

January 25, southern California nurs-
erymen's institute, University of Califor-
nia at Los Angeles, Los Angeles, Calif.

January 25 and 26, Connecticut Nurs-
erymen's Association, short course, as-
sembly hall, University of Connecticut
college of agriculture, Storrs, Conn.

January 25 to 27, Canadian Associa-
tion of Nurserymen, annual meeting,
Sheraton Brock hotel, Niagara Falls,
Ont., Canada.

January 25 to 27, Michigan Associa-
tion of Nurserymen, annual convention,
Fort Shelby hotel, Detroit, Mich.

January 26, British Columbia Nurs-
erymen, Astor hotel, Burnaby, Vancouver,
B. C.

January 26 to 27, second annual Kan-
sas state shade tree conference, depart-
ment of horticulture, Kansas State Col-
lege, Manhattan, Kan.

January 26 and 27, New Jersey Asso-
ciation of Nurserymen, winter meeting,
Chalfonte-Haddon Hall hotel, Atlantic
City, N. J.

January 27, northern California nurs-
erymen's institute, University of Califor-
nia, Berkeley campus, Berkeley, Calif.

January 29 to 31, Southern Nursery-

GUARANTEED-TO-LIVE TRANSPLANTED EVERGREENS

| | Per 1000 |
|--|----------|
| Douglas Fir, 4-yr. transplants (2-2), 4 to 10 in..... | \$ 65.00 |
| Canadian Hemlock, 3-yr. transplants (2-1), 3 to 5 in..... | 100.00 |
| European Larch, 4-yr. transplants (2-2), 8 to 15 in..... | 50.00 |
| Austrian Pine, 4-yr. transplants (2-2), 5 to 10 in..... | 65.00 |
| Japanese Black Pine, 3-yr. transplants (2-1), 3 to 6 in..... | 50.00 |
| Mugho Pine, 4-yr. transplants (2-2), 3 to 6 in..... | 60.00 |
| Red Pine, 4-yr. transplants (2-2), 5 to 10 in..... | 65.00 |
| Red Pine, 3-yr. transplants (2-1), 3 to 5 in..... | 50.00 |
| White Pine, 5-yr. transplants (2-2-1), 6 to 10 in..... | 70.00 |
| White Pine, 4-yr. transplants (2-2), 5 to 10 in..... | 60.00 |
| Black Hill Spruce, 5-yr. transplants (2-3), 5 to 10 in..... | 75.00 |
| Colorado Blue Spruce (Forest Run), 3-yr. transplants (2-1), 3 to 5 in..... | 60.00 |
| Norway Spruce, 5-yr. transplants (2-2-1), 5 to 10 in..... | 80.00 |
| Norway Spruce, 4-yr. transplants (2-2), 4 to 10 in..... | 65.00 |

SEEDLINGS

| | (not guaranteed) | Per 1000 |
|---|------------------|----------|
| Canadian Hemlock, 2-yr. seedlings (2-0), 3 to 6 in..... | | \$50.00 |
| Austrian Pine, 2-yr. seedlings (2-0), 3 to 5 in..... | | 18.00 |
| Red Pine, 2-yr. seedlings (3-0), 4 to 8 in..... | | 25.00 |
| Scotch Pine (Riga), 2-yr. seedlings (2-0), 4 to 8 in..... | | 25.00 |
| Black Hill Spruce, 2-yr. seedlings (2-0), 3 to 6 in..... | | 20.00 |

TERMS

Cash with order; or one-half cash with order,
balance C.O.D. All prices F.O.B. Fryeburg,
Maine, net; no discounts. 250 trees of any one
kind and size at the 1000 rate. For less than
250 of one kind, ask for retail price list. No
extra charge for boxes or packing.

OUR GUARANTEE

90 per cent of all transplants sold at regular
wholesale prices as quoted in this list are guar-
anteed to live. Replacements will be made free
of charge for any losses in excess of 10 per cent
of the number purchased, provided we are notified
of such losses by October 1, 1956. (Seedlings
not guaranteed).

We believe that we grow and ship more transplanted evergreen trees than any other
privately owned nursery in the country. Several other varieties of transplants avail-
able. Send for complete list of stock.



WESTERN MAINE FOREST NURSERY CO., Dept. AN-116, FRYEBURG, MAINE

SHRUBS AND VINES FOR AMERICAN GARDENS, by Donald Wyman. Planting guide for florists
and nurserymen. \$7.50. American Nurseryman, Chicago 4, Ill.

SPRING, 1956, SPECIALS

SHRUBS

| | 100 Rate | 1000 Rate |
|---|----------|-----------|
| 100 <i>Acanthopanax sieboldianus</i> , 2 to 3 ft. | \$0.40 | |
| 100 3 to 4 ft. | .50 | |
| 50 4 to 5 ft. | .65 | |
| 4000 <i>Buxus koreana</i> , 6 to 8 ins., 5-yr., XX | .35 | \$0.30 |
| 2500 4 to 6 ins., 4-yr., XX | .25 | .22 |
| 2000 <i>Buxus welleri</i> , 6 to 8 ins., 5-yr., trimmed, XX | .35 | .30 |
| 500 <i>Cornus baileyi</i> , 4 to 5 ft. | .40 | .35 |
| * 300 <i>Cotoneaster bullata</i> , 15 to 18 ins., 3-yr., XX | .30 | .25 |
| * 250 18 to 24 ins., 4-yr., XX | .40 | .35 |
| * 300 2 to 3 ft., 4-yr., XX | .45 | .40 |
| * 100 <i>Cotoneaster dielsiana</i> , 2 to 3 ft., 4-yr., XX | .40 | |
| * 1000 <i>Cotoneaster divaricata</i> , 15 to 18 ins., 4-yr., XX | .30 | .25 |
| * 2000 18 to 24 ins., 4-yr., XX | .40 | .35 |
| * 1000 2 to 3 ft., 4-yr., XX | .45 | .40 |
| * 125 <i>Cotoneaster multiflora</i> , 18 to 24 ins., 4-yr., XX | .40 | |
| * 150 2 to 3 ft., 4-yr., XX | .55 | |
| 350 <i>Deutzia magnifica</i> , 3 to 4 ft., heavy | .35 | .30 |
| 1000 <i>Lonicera korolkowi</i> , 18 to 24 ins. | .25 | .20 |
| 1000 2 to 3 ft. | .30 | .25 |
| 1000 4 to 5 ft. | .40 | .35 |
| 100 <i>Lonicera maximowiczii sachalinensis</i> , 2 to 3 ft. | .35 | .30 |
| 200 3 to 4 ft. | .40 | .35 |
| 100 4 to 5 ft. | .50 | .45 |
| 700 <i>Lonicera tatarica rosea</i> , 5 to 6 ft. | .50 | .45 |
| 700 <i>Lonicera zabeli</i> , 4 to 5 ft. | .40 | .35 |
| 600 <i>Philadelphus Avalanche</i> , 3 to 4 ft. | .35 | .30 |
| 400 4 to 5 ft. | .40 | .35 |
| 250 <i>Philadelphus lemoinei</i> , 3 to 4 ft. | .35 | .30 |
| 250 <i>Philadelphus Norma</i> , 3 to 4 ft. | .35 | .30 |
| 300 4 to 5 ft. | .40 | .35 |
| * 500 <i>Philadelphus coronarius aureus</i> , 15 to 18 ins. | .55 | .50 |
| 300 <i>Spiraea arguta</i> , 3 to 4 ft. | .40 | .35 |
| 500 <i>Spiraea billardi</i> , 3 to 4 ft. | .35 | .30 |
| 400 4 to 5 ft. | .40 | .35 |
| * 200 <i>Spiraea bumalda crispa</i> , 18 to 24 ins. | .35 | .30 |
| * 1000 <i>Physocarpus opulifolius nanus</i> , 18 to 24 ins. | .25 | .20 |
| * 900 2 to 3 ft. | .30 | .27 |
| * 500 <i>Symphoricarpos chenaulti erecta</i> , 18 to 24 ins. | .35 | .30 |
| * 250 2 to 3 ft. | .40 | .35 |

SHRUBS—Continued 100 Rate 1000 Rate

| | | |
|---|--------|--------|
| * 400 <i>Symphoricarpos orbiculatus Hancock</i> , 18 to 24 ins. | \$0.30 | \$0.27 |
| TREES | | |
| 1500 <i>Populus canadensis eugenei</i> , 8 to 10 ft. | .70 | .60 |
| 1500 10 to 12 ft. | .80 | .70 |
| * 300 <i>Malus Cowichan</i> , 4 to 8 ft. | .90 | .80 |
| * 200 5 to 6 ft. | 1.15 | 1.00 |
| * 100 <i>Malus Makamik</i> , 4 to 5 ft. | .90 | .80 |
| * 150 5 to 6 ft. | 1.15 | 1.00 |
| * 200 <i>Malus purpurea lemoinei</i> , 4 to 5 ft. | .90 | .80 |
| * 200 5 to 6 ft. | 1.15 | 1.00 |

EVERGREENS

| | | |
|--|------|------|
| 500 <i>Juniperus pfitzeriana</i> , 2 to 2½ ft. | 2.60 | 2.40 |
| 1000 <i>Thuja occidentalis</i> , 4 to 5 ft. | 2.40 | 2.25 |
| 500 <i>Thuja occidentalis pyramidalis</i> , 4 to 5 ft. | 4.00 | 3.75 |

PEONIES

| | | |
|--|-----|-----|
| 3 to 5-eye large divisions | | |
| 2000 <i>Peony, Marguerite Gerard</i> | .30 | .25 |
| 5000 <i>Peony, Monsieur Jules Elie</i> | .30 | .25 |
| 1000 <i>Peony, Sarah Bernhardt</i> | .30 | .25 |
| 5000 <i>Peony, double pink mixed varieties</i> | .20 | .17 |

LINING-OUT STOCK

| | | |
|---|------|------|
| * 8000 <i>Chaenomeles lagenaria</i> , 4 to 6 ins., T. S. | .03½ | .02½ |
| * 3000 6 to 9 ins., T. S. | .04½ | .03½ |
| * 3000 <i>Cotoneaster dielsiana</i> , 2 to 4 ins., 1-yr., S. | .03 | .02½ |
| * 3000 4 to 6 ins., 1-yr., S. | .04 | .03½ |
| * 600 6 to 8 ins., 1-yr., S. | .05 | .04 |
| * 1000 <i>Caradiphyllym japonicum</i> , 8 to 10 ins., 1-yr., S. | .12 | .10 |
| * 350 12 to 15 ins., 1-yr., S. | .20 | .17 |
| * 2500 <i>Syringa villosa</i> , 2 to 4 ins., 1-yr., S. | .03 | .02 |
| * 500 4 to 6 ins., 1-yr., S. | .05 | .04 |
| * 2000 <i>Syringa henryi Lutece</i> , 2 to 4 ins., 1-yr., S. | .03 | .02 |
| * 750 4 to 6 ins., 1-yr., S. | .05 | .04 |
| * 500 <i>Syringa vulgaris</i> , 4 to 6 ins., 1-yr., S. | .05 | .04 |
| * 1500 6 to 9 ins., 1-yr., S. | .07 | .06 |

All items marked (*) available for immediate shipment. All items not marked (*) available after April 1.

Write for Trade Catalog

Member—American Association of Nurserymen—Canadian Association of Nurserymen

THE McCONNELL NURSERY CO. LTD.

PORT BURWELL, ONT., CANADA

Established 1912

men's Association, winter trade meet, Hotel Biltmore, Atlanta, Ga.

January 30 and 31, National Arborist Association, winter meeting, Netherland Plaza hotel, Cincinnati, O.

January 31, Delaware nurserymen's short course, University of Delaware, Newark, Del.

February 1 and 2, Pennsylvania Nurserymen's Association, winter meeting, William Penn hotel, Pittsburgh, Pa.

February 2 and 3, West Virginia Nurserymen's Association, annual winter meeting, Ruffner hotel, Charleston, W. Va.

February 5 to 7, Tennessee Nurserymen's Association, winter meeting, Hotel Claridge, Memphis, Tenn.

February 7, Kalamazoo Valley Landscape and Nurserymen's Association, mid-winter educational meeting, Hotel Harris, Kalamazoo, Mich.

February 8 and 9, Oregon Association of Nurserymen, midwinter meeting, Multnomah hotel, Portland, Ore.

February 7 to 9, New England Nurserymen's Association, winter meeting, Hotel Kenmore, Boston, Mass.

February 22 to 24, midwestern chapter of the National Shade Tree Conference, Hotel La Salle, Chicago.

NORTH CAROLINA PLANS SET

Plans are ready for the North Carolina nursery short course which will be held January 8 to 10 at the North Carolina State College, Raleigh. The North Carolina Association of Nurserymen will be the

host at a buffet dinner the evening of January 8, and a business meeting of the association, with election of officers, will be the concluding event on the program after lunch January 10. The complete schedule follows:

JANUARY 8

Buffet dinner, College Union building.

JANUARY 9

Morning session moderator, M. E. Gardner, head, department of horticulture, North Carolina State College.

Welcome, by Dean D. W. Colvard, school of agriculture, North Carolina State College.

Response, by R. A. Fowler, Raleigh, president, North Carolina State Nurserymen's Association.

"Soil Fumigation—Methods and Techniques," by Dr. J. N. Sasser and Dr. C. J. Nusbaum, department of plant pathology, North Carolina State College.

"Landscape for Living," A. A. N. film; moderator, Dr. R. J. Schramm, department of horticulture, North Carolina State College.

Lunch.

Afternoon session moderator, E. R. Mattson.

"Flowering and Dwarf Fruit Trees for the Suburban Home," M. H. Kolbe, horticulture extension, North Carolina State College.

"New Trends in Landscaping," with R. P. Korbobo, extension specialist in landscaping, Rutgers University, New Brunswick, N. J.

Landscape panel and discussion," with R. P. Korbobo, and J. R. Harris, horti-

culture extension, North Carolina State College.

Banquet, College Union building.

JANUARY 10

Morning session moderator, Dr. J. B. Gartner, department of horticulture, North Carolina State College.

"Tax Problems of the Nursery," by W. L. Turner, public affairs specialist, North Carolina State College.

"Basic Facts of Sales Promotion," by J. M. Balmer, lamp division, General Electric Co., Charlotte, N. C.

"Merchandising," by W. E. Wheeler, Capital Airlines, Charlotte, N. C.

Lunch.

Business meeting, with election of officers, R. A. Fowler presiding.

OKLAHOMA SCHEDULE

The following program has been prepared for the convention of the Oklahoma State Nurserymen's Association at the Mayo hotel, Tulsa, Okla., January 5 and 6:

JANUARY 5

Registration.

Meeting called to order by President Alvin L. Dickerson, Jr.

Address of welcome from Tulsa chamber of commerce.

Secretary-treasurer's report.

"How Landscape Nurserymen Can Make More Money," by Russell Zakariasen, Homedale Nursery, Hopkins, Minn.

Lunch. Address by Clay Fiske, executive secretary, Tulsa real-estate board.

Meeting resumed. Address by Dr.



An 18 to 24-in. B&B specimen, never trimmed. 4 years old.

DOMINION ARBORETUM REPORT

The McConnell Globe Arborvitae sent to the arboretum two years ago is growing extremely well. It has withstood two winters and appears to be perfectly hardy, showing no winter injury whatsoever. It has retained its perfect globe shape remarkably well, even though weighted down by some three feet of snow part of last winter. It appears to be more compact and more able to retain its globular shape than the other globular varieties in the arboretum such as woodwardi and globosa.

A. R. Buckley,
Curator, Dominion
Arboretum and Botanic Garden,
Ottawa, Canada.

August 2, 1955

Order Early for Spring Shipment.

We commence shipping first thing in April.

All plants mossed in polyethylene and all orders must be shipped by express, not parcel post.

| | Per 100 | Per 1000 |
|--------------------|----------|-----------|
| 6 to 8 ins. | \$100.00 | \$ 900.00 |
| 8 to 10 ins. | 125.00 | 1115.00 |
| 10 to 12 ins. | 150.00 | 1350.00 |

300 or more at 1000 rate.

MINIMUM ORDER, 100 plants.



Rooted cuttings transplanted direct to beds. Plants shown here are 6 months old.

HERE IT IS...

The new Globe Arborvitae
you have been waiting for.
INTRODUCING FOR THE FIRST TIME
TUJA OCCIDENTALIS LITTLE CHAMPION

Little Champion is a superb new evergreen discovered by us over 20 years ago in a block of arborvitae, grown by us from pyramidalis seed. We were so impressed with its performance that we kept a close watch on it for a number of years. In every way it has outclassed any other Globe Arborvitae we have grown, including woodwardi, globosa nana and various strains of globosa.

We have propagated the variety in quantity and this is our first offering. It will be a money-maker for you.

Its many advantages include:

- Fast growing to a height of around 20 inches, then tapers off to a slow rate of growth.
- Propagates readily from cuttings and grows progressively thick and bushy without any shearing or trimming.
- Very hardy. Has wintered perfectly at Ottawa, Ont., and Morden, Man.
- Color is a rich, bright, lively green. Foliage is not stiff, but lacy and soft.
- Withstands snow unusually well without injury.
- Maximum height here as far as we can determine will be between 30 and 36 inches.
- When parting the foliage with your hands, the clean green color extends deep into the tree even in 30-inch sizes.
- Electros of pictures on this page are available.
- A spring, 1956, introduction. Get in on the ground floor with this winner.



Cuttings made March 1, 1953. Photograph taken August 1, 1954, 17 months later.

MEMBER—American Association of Nurserymen—Canadian Association of Nurserymen.

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NURSERY CO. Ltd.**

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New, Versatile Euonymus

EMERALD PRIDE

Euonymus Trueshrub (Plant Pat. 1073)

plus 3 other money-makers

EMERALD LEADER

Euonymus Corlissi (Plant Pat. 881)

EMERALD CHARM

Euonymus Columnar (Plant Pat. 1079)

EMERALD CUSHION

Euonymus Dwarfshrub (Plant Pat. 1112)

Require no staking . . . little shearing or shaping . . . compact form . . . high disease resistance . . . resistant to dog urine . . . drought endurance . . . low temperature adaptability. They make wonderful hedge plants, foundation or ornamental shrubs.

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C. R. Burr & Co., Inc.,
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Kelly Bros. Nurseries, Inc.,
Dansville, N. Y.
Mount Arbor Nurseries,
Shenandoah, Ia.

In Canada:

The McConnell Nursery Co., Ltd.,
Port Burwell, Ont.

Sheridan Nurseries,
Sheridan, Ont.

Licenses are still available.

CORLISS BROS., INC.

Reynard St., Gloucester, Mass.
Nurseries at Ipswich, Mass.

Richard P. White, executive vice-president, American Association of Nurserymen, Washington, D. C.

"Why Go Crazy?", by Howard Carraway.

Report of "Plant Oklahoma" campaign, by Gene Fleming, Oklahoma City. Banquet.

Annual award, dancing and floor show, with Oklahoma A. and M. College entertainers and orchestra.

JANUARY 6

Meeting called to order.

"Salesyard Arrangement and Merchandising," by W. T. Lambright, Shreveport, La.

"Wage and Hour Laws—New Minimum Wage Laws As Applied to Nurserymen," by A. P. Vickery.

Question and answer period on minimum wage laws.

Business session and election of officers.

MARYLAND PROGRAM

The following tentative program has been released for the annual meeting of the Maryland Nurserymen's Association, which will be held in the Southern hotel, Baltimore, Md., January 11. Registration will begin at 9 a. m., and the business meeting will open at 9:30 o'clock.

President's remarks, by Edward L. Stock, Jr., Stock Bros., Inc., Bethesda.

"Status of the Graduate Fellowship Fund," by Carville G. Akehurst, chairman, fellowship committee, and Dr. Lee J. Enright, University of Maryland.

"Recent Developments in Chemical Weed Control in Nursery Crops, by Dr. Marion W. Parker, head, weed investigations, field crops research branch, agricultural research service, United States Department of Agriculture, Beltsville.

"The Atom and Plant Research," by Dr. C. P. Harley, agricultural research service, plant industry station, Beltsville. Luncheon.

Toastmaster, Gilbert Gude, A. Gude & Sons, Rockville.

Introductions and remarks from guests.

Professional achievement award.

Afternoon session.

"Good Shade Trees That Are Little Used," by William Flemer III, Princeton Nurseries, Princeton, N. J.

"Population Trends and Their Relation to Business Potential," by Malcolm Dill, planting commission, Baltimore county, Towson.

"Advertising and Public Relations," a committee report and round-table discussion; discussion leader, J. H. Burton, Hyattsville.

Election of officers and final business.

ILLINOIS SCHEDULE

The opening session of the annual convention of the Illinois State Nurserymen's Association at the La Salle hotel, Chicago, January 16 to 18, will convene Monday at 1:15 p. m., after a luncheon. Featured at this first meeting will be an inspirational speaker, Ralph W. Carney, Wichita, Kan., who has an outstanding reputation in the sales training field. After this address, the nurserymen



Norway Spruce, 2-yr., S.

| | Per 100 | Per 1000 | Per 10,000 rate |
|--|---------|----------|-----------------|
|--|---------|----------|-----------------|

NORWAY SPRUCE

| | | | |
|--------------------|--------|---------|---------|
| 5 to 10 ins. (2-0) | \$8.00 | \$40.00 | \$35.00 |
| 3 to 6 ins. (2-0) | 5.00 | 30.00 | 25.00 |

SCOTCH PINE

| | | | |
|--------------------|------|-------|-------|
| 5 to 10 ins. (2-0) | 6.00 | 30.00 | 23.00 |
| 4 to 8 ins. (2-0) | 5.00 | 25.00 | 20.00 |
| 3 to 6 ins. (2-0) | 4.00 | 20.00 | 18.00 |
| 3 to 6 ins. (3-1) | 6.00 | 40.00 | 35.00 |

AUSTRIAN PINE

| | | | |
|-------------------|------|-------|------|
| 4 to 8 ins. (3-1) | 8.00 | 50.00 | .... |
| 2 to 4 ins. (2-1) | 5.00 | 35.00 | .... |

100 at 100 rate; 1000 at 1000 rate; 5000 and up at 10,000 rate.

TERMS: Cash with order, otherwise 1/3 deposit and balance C.O.D. Packing at cost. Payment in advance earns free packing.

PALLACK BROS. NURSERIES, INC.

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QUALITY MERCHANDISE
AT REASONABLE PRICES

VANDEBROOK NURSERIES, INC.

MANCHESTER, CONN.

Wholesale Nurserymen Since 1922

LINING-OUT STOCK

IN WIDE ASSORTMENT

Hardy Azaleas, Pink Dogwood, Jap. Red Maples, Old English Boxwood, Lilacs (French Hyb.), Evergreens, etc., in 1, 2 and 3-yr. transplants, at competitive prices. Write for list.

DEERFIELD NURSERIES

DEERFIELD STREET P. O., N. J.

FIELD-GROWN LINING-OUT STOCK

All stock grown in open field beds.



Ilex crenata helleri.
An excellent dwarf form of *Ilex*. See list for liners.

| | Each per 100 | Each per 1000 |
|---|--------------------|---------------------|
| <i>Azalea, Ghent (pontica).</i> | | |
| 2 to 5 ins., 2-yr., T. | \$.20 | |
| 5 to 8 ins., 3-yr., T. | .25 | \$0.20 |
| 8 to 10 ins., 4-yr., T. | .45 | .40 |
| <i>Azalea kaempferi.</i> | | |
| 2-yr., T., field bed | .28 | .24 |
| <i>Azalea mollis (Chinese Azalea).</i> | | |
| 6 to 8 ins., 2-yr., T. | .25 | .20 |
| 8 to 10 ins., 3-yr., T. | .35 | .30 |
| 10 to 12 ins., 4-yr., T. | .65 | |
| <i>Azalea schlippenbachii (Royal Azalea).</i> | | |
| 2-yr., field bed, T. | .28 | .25 |
| 3-yr., field bed, T. | .35 | .32 |
| <i>Buxus sempervirens helleri.</i> | | |
| 6 to 8 ins., 2-yr., T. | .35 | .32 |
| 8 to 10 ins., 3-yr., T. | .45 | .40 |
| 10 to 12 ins., 4-yr., T. | .65 | |
| <i>Chamaecyparis lawsoniana pendula.</i> | | |
| 10 to 15 ins., 3-yr., T. | .45 | |
| <i>Chamaecyparis filifera.</i> | | |
| 8 to 12 ins., 2-yr., T. | .35 | |
| <i>Chamaecyparis plumosa aurea.</i> | | |
| 6 to 8 ins., 2-yr., T. | .35 | .30 |
| 8 to 10 ins., 3-yr., T. | .40 | .35 |
| 10 to 12 ins., 3-yr., T. | .50 | .45 |
| <i>Cotoneaster horizontalis.</i> | | |
| 6 to 8 ins., 3-yr., T. | .38 | |
| 8 to 12 ins., 3-yr., T. | .45 | |

| | Each per 100 | Each per 1000 |
|-------------------------------------|--------------------|---------------------|
| <i>Euonymus fortunei carrierei.</i> | | |
| 8 to 10 ins., 2-yr., T. | \$.30 | \$0.25 |
| 10 to 15 ins., 3-yr., T. | .35 | .30 |
| <i>Euonymus fortunei coloratus.</i> | | |
| 6 to 10 ins., 2-yr., T. | .25 | .20 |
| <i>Euonymus fortunei erectus.</i> | | |
| (Big-leaved Winter Creeper) | | |
| 8 to 10 ins., 2-yr., T. | .22 | .18 |
| 10 to 12 ins., 2-yr., T. | .25 | .20 |
| 12 to 15 ins., 3-yr., T. | .35 | .30 |
| 15 to 18 ins., 4-yr., T. | .45 | .40 |
| <i>Euonymus patens.</i> | | |
| 10 to 15 ins., 3-yr., T. | .75 | |
| <i>Euonymus radicans coloratus.</i> | | |
| (Small-leaved Winter Creeper). | | |
| 8 to 10 ins., 2-yr., T. | .22 | .18 |
| 10 to 12 ins., 2-yr., T. | .25 | .20 |
| 12 to 15 ins., 3-yr., T. | .35 | .30 |
| <i>Euonymus radicans vegetus.</i> | | |
| 6 to 8 ins., 1-yr., T. | .18 | .16 |
| 8 to 10 ins., 2-yr., T. | .25 | .20 |
| 10 to 12 ins., 2-yr., T. | .35 | .30 |

| | Each per 100 | Each per 1000 |
|--|--------------------|---------------------|
| <i>Ilex crenata (Japanese Holly).</i> | | |
| 6 to 8 ins., 1-yr., T. | \$.25 | \$0.20 |
| 8 to 10 ins., 2-yr., T. | .35 | |
| 10 to 12 ins., 3-yr., T. | .45 | |
| <i>Ilex crenata convexa (bullata).</i> | | |
| 6 to 8 ins., 1-yr., T. | .25 | .22 |
| 8 to 10 ins., 2-yr., T. | .38 | .35 |
| 10 to 15 ins., 2-yr., T. | .55 | .45 |
| <i>Ilex crenata helleri.</i> | | |
| 1-yr., field bed, T. | .25 | |
| 2-yr., field bed, T., bushy | .40 | |
| <i>Ilex rotundifolia (Round-leaved Holly).</i> | | |
| 6 to 8 ins., 1-yr., T. | .25 | .22 |
| 8 to 10 ins., 2-yr., T. | .38 | .35 |
| 10 to 12 ins., 3-yr., T. | .45 | .40 |
| 12 to 15 ins., 3-yr., T. | .65 | .55 |
| <i>Juniper, Andorra.</i> | | |
| 8 to 10 ins., 2-yr., T. | .35 | .30 |
| 10 to 12 ins., 3-yr., T. | .45 | .40 |
| 12 to 15 ins., 3-yr., T. | .50 | .45 |
| <i>Juniperus canadensis aurea.</i> | | |
| 4 to 6 ins., 1-yr., T. | .25 | |
| 6 to 8 ins., 2-yr., T. | .35 | |
| <i>Juniperus glauca hetzi.</i> | | |
| 6 to 8 ins., 1-yr., T. | .25 | .20 |
| 8 to 10 ins., 2-yr., T. | .35 | .30 |
| 10 to 12 ins., 2-yr., T. | .45 | .38 |
| 12 to 15 ins., 3-yr., T. | .55 | .45 |
| 15 to 18 ins., 3-yr., T. | .70 | |
| <i>Juniperus communis hibernica fastigiata</i> | | |
| (Compact Irish) | | |
| 8 to 10 ins., 2-yr., T. | .35 | .30 |
| 10 to 12 ins., 2-yr., T. | .38 | .33 |
| 12 to 15 ins., 3-yr., T. | .45 | .40 |
| 15 to 18 ins., 3-yr., T. | .55 | .50 |

Juniperus pfitzeriana compacta.

(Nelson's variety, Gray-blue,
grows compact, shapes up quickly.)

| | Each per 100 | Each per 1000 |
|-------------------------|--------------------|---------------------|
| 6 to 8 ins., 1-yr., T. | \$.35 | |
| 8 to 10 ins., 1-yr., T. | .45 | |

| | Each per 100 | Each per 1000 |
|---|--------------------|---------------------|
| <i>Juniperus pfitzeriana aurea.</i> | | |
| 10 to 15 ins., 3-yr., T. | \$.65 | |
| <i>Juniperus stricta.</i> | | |
| 4 to 8 ins., 1-yr., T. | .35 | \$0.32 |
| <i>Koeleruteria paniculata</i> | | |
| (Golden-Rain Tree) | | |
| 8 to 12 ins., 3-yr., T. | .18 | .16 |
| 12 to 18 ins., 3-yr., T. | .22 | .20 |
| 18 to 24 ins., 4-yr., T. | .30 | |
| <i>Larix europaea (European Larch).</i> | | |
| 15 to 18 ins., 3-yr., T. | .18 | .12 |
| 18 to 24 ins., 4-yr., T. | .25 | .18 |
| 2 to 3 ft., 4-yr., T. | .35 | .28 |
| <i>Leucothoe catesbaei.</i> | | |
| 6 to 8 ins., 2-yr., T. | .25 | .20 |
| 8 to 10 ins., 3-yr., T. | .35 | .30 |
| 10 to 12 ins., 3-yr., T. | .45 | |
| <i>Liquidambar styraciflua (Sweet Gum).</i> | | |
| 8 to 12 ins., 2-yr., T. | .15 | .12 |
| 12 to 18 ins., 2-yr., T. | .20 | .18 |
| <i>Picea pungens (Colorado Blue Spruce).</i> | | |
| 6 to 8 ins., 1-yr., T. | .28 | |
| <i>Pieris floribunda.</i> | | |
| 3 to 6 ins., 2-yr., T. | .25 | .20 |
| 8 to 10 ins., 2-yr., T. | .30 | .25 |
| <i>Pieris japonica.</i> | | |
| 6 to 8 ins., 2-yr., T. | .28 | .25 |
| 8 to 10 ins., 2-yr., T. | .35 | .30 |
| 8 to 12 ins., 3-yr., T. | .65 | |
| <i>Pinus mugo.</i> | | |
| 4 to 6 ins., 3-yr., T. | .18 | .16 |
| 6 to 8 ins., 4-yr., T. | .22 | .20 |
| <i>Pyracantha coccinea laevis.</i> | | |
| 8 to 12 ins., 2-yr., T. | .32 | .30 |
| 5 to 8 ins., 3-yr., T. | .45 | |
| <i>Rhododendron catawbiense, purple-pink.</i> | | |
| 2-yr., field bed, T. | .22 | .20 |
| <i>Rhododendron maximum, light pink.</i> | | |
| 2-yr., field bed, T. | .22 | .20 |
| <i>Rhododendron Hybrids, seed out of</i> | | |
| <i>red-blooming plants.</i> | | |
| 2-yr., field bed, T. | .35 | .32 |
| 3 to 5 ins., 3-yr., T. | .45 | |
| 5 to 8 ins., 4-yr., T. | .55 | |
| (Sturdy center stems to multi-branched heads). | | |
| <i>Rhus cotinus (Smoke Tree).</i> | | |
| 10 to 12 ins., 3-yr., T. | .18 | .12 |
| 12 to 18 ins., 3-yr., T. | .25 | .20 |
| <i>Taxus cuspidata.</i> | | |
| 8 to 10 ins., 2-yr., T. | .35 | |
| 10 to 15 ins., 3-yr., T. | .45 | |
| <i>Thuja occidentalis douglasii aurea.</i> | | |
| 6 to 8 ins., 2-yr., T. | .35 | .32 |
| 6 to 10 ins., 2-yr., T. | .45 | .42 |
| <i>Thuja occidentalis elegantissima lutes.</i> | | |
| golden tip over dark green foliage, nonshedding. Very pyramidal. | | |
| 6 to 8 ins., 3-yr., T. | .35 | .30 |
| 8 to 10 ins., 3-yr., T. | .40 | .35 |
| 10 to 12 ins., 3-yr., T. | .45 | .40 |
| 12 to 15 ins., 3-yr., T. | .55 | .50 |
| 15 to 18 ins., 4-yr., T. | .65 | .60 |
| <i>Thuja occidentalis globosa (Woodward).</i> | | |
| 8 to 10 ins., 2-yr., T. | .35 | .30 |
| 10 to 12 ins., 3-yr., T. | .40 | .35 |
| <i>Thuja occidentalis pyramidalis.</i> | | |
| 12 to 15 ins., 3-yr., T. | .55 | |
| <i>Tsuga canadensis (Hemlock).</i> | | |
| 6 to 8 ins., 3-yr., T. | .25 | .20 |
| 8 to 10 ins., 4-yr., T. | .35 | .30 |
| <i>Viburnum opulus, red berries fall.</i> | | |
| 10 to 18 ins., 3-yr., T. | .18 | .12 |
| 18 to 24 ins., 4-yr., T. | .25 | .20 |
| <i>Viburnum opulus nana (Dwarf Bush</i> | | |
| <i>Cranberry).</i> | | |
| 2-yr., field, T. | .30 | .25 |
| 3-yr., field, T. | .40 | |

Lining-out Stock
25 at the 100 Rate,
300 at the 1000 Rate.

TERMS: Cash with order, otherwise 1/2 deposit
with order and balance C.O.D. Packing at cost.
Payment in advance earns free packing. All ship-
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(We are not open Sundays)

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QUALITY EVERGREENS

BROAD-LEAVED EVERGREENS

Abelia Grandiflora
Buxus Harlandi
Buxus Sempervirens
Cotoneaster Francheti
Cotoneaster Horizontalis
Elaeagnus Fruitlandi
Elaeagnus Simoni
Euonymus Coloratus
Euonymus Fortunei Erectus
(small leaf)
Euonymus Patens
Gardenia Fortunei
Ilex Cornuta Burfordi
Ilex Cornuta Femina
Ilex Crenata Convexa
Ilex Crenata Rotundifolia
Ilex Opaca East Palatka
(heavily sheared)
Ilex Vomitoria
(well sheared)
Pride of Houston
Jasminum floridum
Laurel Cherry
(well sheared)
Ligustrum Lucidum
(Black Wax)
Ligustrum Lucidum
(Griffing type)
Ligustrum Lucidum Nanum
Loropetalum Texanum
Magnolia Glauca
Magnolia Grandiflora
Magnolia Soulangeana
Magnolia Soulangeana Nigra
Nandina Domestica
Photinia Serrulata

CONIFERS

Arborvitae, Or. Baker
Arborvitae, Or. Berckmans
(Aurea Nana)
Arborvitae, Or. Blue Cone
(very compact)
Arborvitae, Or. Bonita
Arborvitae, Or. Bonita Golden
Arborvitae, Or. Excelsa
Arborvitae, Or. Fruitland
(Green Berckmans)

CONIFERS, cont.

Arborvitae, Or. Newark
Arborvitae, Occ. Globosa
Arborvitae, Occ. Nigra
(Dark Green)
Arborvitae, Occ. Pyramidalis
Cedrus Decidua
Juniper, Andorra
Juniperus Excelsa Stricta
Juniperus Fastigiata
Juniperus Glauca Hetzi
Juniperus Glauca Hetzi
(staked and sheared)
Juniperus Hibernica
(Irish)
Juniperus Pfitzeriana
Juniperus Pfitzeriana Aurea
Juniperus Pfitzeriana Compacta
Juniperus Sabina
Juniperus Sabina Vonehron
Juniperus Sabina Vonehron
(staked and sheared)
Juniperus Scopulorum
Juniperus Sylvestris
(Chinensis Femina)
Juniperus Virginiana Burki
Juniperus Virginiana Cansaerti
Juniperus Virginiana Dundee
Juniperus Virginiana Glauca
Pinus Mughus
Pinus Nigra
(Austrian Pine)
Pinus Sylvestris
(Scotch Pine)

CANNED STOCK

Abelia Grandiflora
Gardenia Fortunei
Gardenia Mystery
Ilex Burfordi
Ilex Convexa
Ilex Helleri
Ilex Rotundifolia
Magnolia Grandiflora
Pyracantha Formosana
(light)
Pyracantha Lalandi
(light)
Crape Myrtle

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will have an opportunity to see the motion picture, "The Fight to Control Dutch Elm Disease," produced by the Standard Oil Co.

Tuesday morning has been given to a business session, starting at 9:30, in the Lincoln room. Heard at this time will be the president's address by John Tures, Des Plaines. Among the reports scheduled is that of the "Plant Illinois" committee. Nomination and election of officers will also take place at this meeting.

Tuesday afternoon the attractions of the program are two eloquent and widely known speakers. Hon. Everett M. Dirksen, United States Senator from Illinois, will address the group first. The second speaker will be Tom Collins, Kansas City, Mo., a journalist and public relations specialist with a successful speaking career covering 24 years.

Trade Practice Discussion

The American Association of Nurserymen is furnishing the program for the afternoon session Wednesday, January 18, in the Illinois room. This meeting will convene after a luncheon scheduled for 12:15. Vernon Marshall, Arlington, Neb., president of the A. A. N., will preside. Richard P. White, executive vice-president of the A. A. N., Washington, D. C., will talk on "Business and the Legislative Outlook—1956" to open the program. A presentation of the A. A. N. film, "Landscape for Living," will follow.

The next order of business will be the important discussions on the industry's fair trade practice rules. Clark Kidd, Tyler, Tex., chairman of the A. A. N. fair trade practice committee, will present the major changes from the industry proposals made by the federal trade commission. Richard P. White will report on the public hearing that is to be held at Washington, D. C., January 9. Afterward there will be an open discussion on the industry recommendations to be presented at the public hearing on the subject scheduled for January 19, at 10 a. m., in the Illinois room.

The annual banquet, the major social event of the program, will close the convention Wednesday evening, in the Grand ballroom of the hotel. The usual cocktail hour will precede the dinner, and there will be entertainment and dancing afterward.

Plans for the women attending the convention include a get-acquainted card party Monday afternoon and a special luncheon, followed by entertainment, Wednesday. Each lady attending the annual ban-



Left: Healthy Alyssum in PANO-DRENCH treated soil. Right: Alyssum damping-off. Same seed lot, same soil, untreated. (U. of Calif. photo)

New Soil Drench Replaces Steam Sterilization

One Shot Treatment

You can end losses from damping-off by a single drenching with the new liquid soil sterilizer . . . PANO-DRENCH.

Costs Little — Goes A Long Way

Cost is only a fraction of the cost of steam

sterilization. Because PANO-DRENCH is so highly concentrated, a 4-ounce bottle can be diluted to provide 72 gallons of drench . . . enough to treat 500 square feet.

Use Outdoors, Too

PANO-DRENCH is faster, easier to apply . . . and enables you to treat outdoor plots and other places where steam application is difficult or impossible.

Long-Lasting Effects

College and commercial users not only report near-perfect control of damping-off and other soil-dwelling fungus diseases, but also indicate PANO-DRENCH treated soil may be less subject to re-infection than soil sterilized with steam.

No Waiting — Plant At Once

Soil may be planted immediately after drenching. You don't have to wait for it to dry. There's no need for leaching.

PANO-DRENCH is available in 1 ounce, 4 ounce, and pint bottles. Manufactured by Panogen, Inc., Ringwood, Illinois. (An affiliate of Morton Salt Company.)

TYPICAL USER RESULTS

University of California: (After 3 years' testing) "No damping-off of seedlings in treated flats, considerable damping-off in untreated flats. Untreated flats had been steam-sterilized prior to planting. Evidently re-contamination of steamed flats accounted for these losses."

Wisconsin Grower: "Results of using PANO-DRENCH for damping-off have been amazing. Last year we had to go over the flats and keep re-planting. This year we plant and they stay planted."

New Mexico State College: (reporting on plantings of stock, pansy, snapdragon, tomato) "No damping-off was observed in any of the flats containing soil treated with PANO-DRENCH, while over 75% of the plants were destroyed in flats where soil was untreated."

California Nurseryman: (A 3-year user of PANO-DRENCH on approximately 100 different flowers and vegetables) "I'm very satisfied with PANO-DRENCH and am using it on every seedling I grow."

Pano-drench

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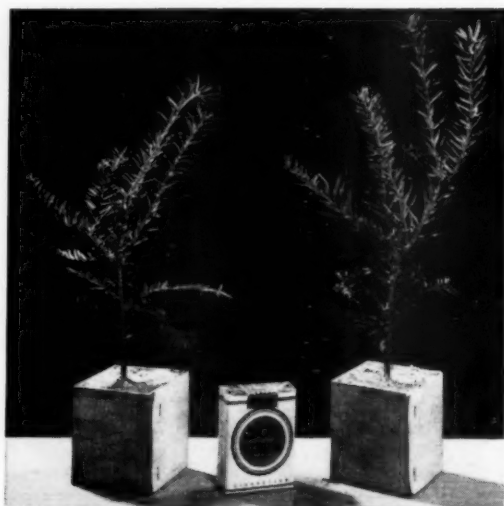
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Spreading Japanese Yew

Grown two years in the big 2½x2½x3-in. plant band.

Want fewer skips in your nursery rows? Want more of your evergreen liners to GROW into the BIG DOLLAR specimen plants? Get HILL'S BANDED EVERGREEN LINERS! They come to you—packing free—**GROWING** in prepared, fertilized soil.

| | Each per 100 | Each per 1000 |
|------------------------|--------------|---------------|
| Hatfield Yew | 42c | 38c |
| Hicks' Yew | 42c | 38c |
| Intermedia Yew | 40c | 36c |
| Pfitzer Juniper | 37c | 33c |
| Pyramidal Arborvitae | 35c | 31c |
| Spreading Japanese Yew | 40c | 36c |
| Upright Japanese Yew | 42c | 38c |

at HILL'S — NO CHARGE FOR PACKING

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DUNDEE, ILL.

quet will receive a corsage as the gift of Flowerwood, Inc., Crystal Lake, Ill.

INDIANA ARBORISTS' PLANS

Plans have been completed for the midwinter conference of the Indiana Arborists' Association, which will be held in the Purdue Memorial Union building, West Lafayette, Ind., January 9 to 11. Registration will take place January 9, in the main lobby of the Memorial Union building, from 9 a. m. to 5 p. m. and from 6 to 7:30 p. m. The registration fee is \$3.

January 9 will be devoted to a short course, during the hours of 9 to 11:30 a. m. and 1 to 4 p. m. From 3 to 7 p. m. is also scheduled as a get-acquainted period, with dinner to be enjoyed as desired. The evening session will begin at 7:15 o'clock, in the west faculty lounge of the Memorial Union building, where all the other meetings listed in the following program for January 10 and 11 are also scheduled:

JANUARY 9

* Registration, in the lobby, Memorial Union building.

Short short course, 9 to 11:30 a. m. and 1 to 4 p. m.

Dinner where you please.

Evening session, John Duling, Duling Tree Expert Co., Muncie, Ind., presiding.

Greetings, by Dr. N. K. Ellis, Purdue University.

"Public Relations, Your Workmen and Your Clients," by H. J. Schnitzius, New Augusta, Ind.

Electric Utility Line Hazards: demonstration, by D. F. Wartzok and Eugene Kabish, Indiana & Michigan Electric Co., Fort Wayne, Ind.

JANUARY 10

Morning session, John Duling, presiding.

Film "Combating Dutch Elm Disease," courtesy Standard Oil Co. (Indiana).

"Dutch Elm, Phloem Necrosis and Other Elm Diseases"—A panel: Dr. J. C. Carter, Illinois Natural History Survey, Urbana, Ill.; R. J. Greene, Purdue University, and Paul Ulman, assistant state entomologist.

"Chemical Brush and Weed Control," by Dr. George McCall and F. J. Otto, E. I. du Pont de Nemours & Co., Inc.

Afternoon session, Kenneth Flaig, presiding.

"Oak Wilt," by Dr. James E. Kuntz, University of Wisconsin.

"Experiences in Selling Safety Around the World," by George MacDonald, senior consulting engineer, National Safety Council.

Panel—"Insects and Diseases," with J. C. Carter, Illinois Natural History Survey, Urbana; R. J. Greene, Purdue University; Paul Tilford, executive secretary, National Arborist Association, and D. L. Schuder, Purdue University.

Business meeting, President John Duling, presiding.

Evening session, C. R. Fierrell, presiding.

Film, "Tree Moving." Talk on "Irish Aero-Fertilization," by John Duling.

"Line-clearing Problems," by Harold

J. V. BAILEY NURSERIES

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ST. PAUL 6, MINN.

For Spring, 1956

We have a good supply of all of the stock offered in this condensed list.

ORNAMENTAL CRAB APPLES AND SHADE TREES

| | | | |
|--|---------|----------|-----------|
| Almey Crab Apple , new double red, blossoms first year. | Per 10 | Per 100 | Per 1000 |
| 4 to 8 feet | \$15.50 | \$140.00 | \$1300.00 |
| 5 to 6 feet | 18.00 | 165.00 | ..... |
| Bechtel Crab Apple (<i>Malus ioensis plena</i>). | | | |
| 12 to 15 feet | | | |
| 18 to 24 inches | 5.00 | 45.00 | 400.00 |
| 2 to 3 feet | 7.00 | 65.00 | 550.00 |
| Bechtel Crab Apple , Klehm's Improved. | | | |
| 15 to 20 feet | | | |
| 2 to 3 feet | 7.00 | 65.00 | 500.00 |
| 3 to 4 feet | 11.00 | 100.00 | 900.00 |
| Hopa Crab Apple , 15 to 20 feet. | | | |
| 4 to 5 feet | 9.00 | 85.00 | 800.00 |
| 5 to 6 feet | 12.50 | 110.00 | 1000.00 |
| M. R. No. 454 Crab Apple (Pyramidal). | | | |
| 2 to 3 feet | 10.00 | 90.00 | 800.00 |
| 3 to 4 feet | 14.00 | 130.00 | 1200.00 |
| 4 to 5 feet | 16.50 | 150.00 | ..... |
| Red Silver Crab Apple , 15 to 20 feet. | | | |
| 3 to 4 feet | 7.00 | 65.00 | ..... |
| 4 to 5 feet | 9.00 | 85.00 | ..... |
| 5 to 6 feet | 12.50 | 110.00 | ..... |
| Sundog Crab Apple (Pyramidal). | | | |
| 3 to 4 feet | 14.50 | 130.00 | ..... |
| 4 to 5 feet | 16.50 | 150.00 | ..... |
| 5 to 6 feet | 18.50 | 170.00 | ..... |
| Poplar, Lombardy (<i>Populus nigra italica</i>). | | | |
| 6 to 8 feet | 4.50 | 40.00 | 350.00 |
| 8 to 10 feet | 6.00 | 55.00 | 500.00 |
| 10 to 12 feet | 8.50 | 75.00 | ..... |
| Prunus cistena , 5 to 6 feet. | | | |
| 2 to 3 feet | 8.00 | 75.00 | 700.00 |
| 3 to 4 feet | 11.00 | 100.00 | ..... |
| Prunus friloba (Double-flowering Plum), 6 to 10 ft. | | | |
| Beautiful double pink flowers early in spring. Very hardy. | | | |
| 2 to 3 feet | 8.00 | 75.00 | 700.00 |
| 3 to 4 feet | 10.00 | 90.00 | ..... |

CLIMBING VINES

| | | |
|-------------------------------------|--------|---------|
| Honeysuckle, heckrofti | Per 10 | Per 100 |
| 2-1 | \$4.50 | \$40.00 |
| 2-2 | 2.75 | 25.00 |
| Honeysuckle, Scarlet Trumpet | | |
| 2-1 | 3.00 | 25.00 |
| 2-2 | 2.25 | 20.00 |
| Ivy, Engelman | | |
| 2-1 | 2.75 | 25.00 |
| 2-2 | 2.00 | 18.00 |

ORNAMENTAL SHRUBS

| | | | |
|---|--------|---------|----------|
| Barberry, Red-Leaved , 3 ft. | Per 10 | Per 100 | Per 1000 |
| 9 to 12 inches | \$2.25 | \$20.00 | ..... |
| 12 to 15 inches | 3.30 | 30.00 | \$270.00 |
| 15 to 18 inches | 4.50 | 40.00 | 350.00 |
| Honeysuckle, Zabeli , 8 to 10 ft. | | | |
| 2 to 3 feet | 4.50 | 40.00 | 350.00 |
| 3 to 4 feet | 5.50 | 50.00 | 450.00 |
| Hydrangea Peegee , 5 to 7 ft. | | | |
| 12 to 18 inches | 3.30 | 30.00 | 250.00 |
| 18 to 24 inches | 4.50 | 40.00 | 350.00 |
| Lilac, Rothomagensis , 8 to 10 ft. | | | |
| 2 to 3 feet | 5.00 | 45.00 | 400.00 |

LILAC—French Hybrids

Our own-root French Lilacs are strong and sturdy plants. There is no danger of suckers from the understock. These superior varieties will give a lifetime of satisfaction.

| | | | |
|-----------------|--------|---------|----------|
| | Per 10 | Per 100 | Per 1000 |
| 12 to 18 inches | \$4.00 | \$37.50 | \$350.00 |
| 18 to 24 inches | 6.50 | 60.00 | 550.00 |
| 2 to 3 feet | 8.00 | 75.00 | 700.00 |

| | | |
|---------------------------------|---------------|------------|
| 12 to 18 ins. | 18 to 24 ins. | 2 to 3 ft. |
| Alphonse Lavalle, double, blue | X | X |
| Belle de Nancy, double, pink | X | X |
| Charles Joly, double, red | X | X |
| Charles X, single, red | X | X |
| Ludwig Spaeth, single, red | X | X |
| Mme. Lemoine, double, white | X | X |
| Michael Buchner, double, pink | X | X |
| Mont Blanc, single, white | X | X |
| President Grevy, double, blue | X | X |
| President Lincoln, single, blue | X | X |
| Thunberg, double, blue | X | X |
| Vestale, white | X | X |
| William Robinson, double, red | X | X |

| | | | |
|---|------|-------|--------|
| Ninebark, dwarf (<i>Physocarpus opulifolius nanus</i>), 4 to 5 ft. | | | |
| 18 to 24 inches | 3.50 | 30.00 | ..... |
| 2 to 3 feet | 4.50 | 40.00 | 350.00 |

THE NEW MOCK ORANGE PHILADELPHUS MINNESOTA SNOWFLAKE

(Plant Patent No. 538)

An outstanding introduction: every blossom very double, sweet-scented, very profuse bloomer. A graceful well-branched shrub retaining its foliage better than most of the Mock Oranges.

| Wholesale Prices | Per 10 | Per 100 | Per 1000 |
|------------------|--------|---------|----------|
| 18 to 24 inches | \$6.00 | \$55.00 | \$500.00 |
| 2 to 3 feet | 7.00 | 45.00 | 400.00 |
| 3 to 4 feet | 9.00 | 85.00 | 800.00 |

| Suggested Retail Prices | Each | Per Doz. |
|-------------------------|--------|----------|
| 18 to 24 inches | \$1.25 | \$12.00 |
| 2 to 3 feet | 1.50 | 15.00 |
| 3 to 4 feet | 2.00 | 20.00 |

| | | | |
|---|--------|---------|----------|
| Philadelphus Virginal , 6 to 8 ft. | Per 10 | Per 100 | Per 1000 |
| 12 to 18 inches | \$2.75 | \$25.00 | ..... |
| 18 to 24 inches | 4.50 | 40.00 | \$350.00 |
| 2 to 3 feet | 6.00 | 55.00 | 500.00 |
| Spiraea Anthony Waterer , 2 to 3 ft. | | | |
| 9 to 12 inches | 2.50 | 22.50 | 200.00 |
| 12 to 15 inches | 4.00 | 35.00 | 300.00 |
| 15 to 18 inches | 5.00 | 45.00 | 400.00 |
| 18 to 24 inches | 6.50 | 60.00 | ..... |
| Spiraea billiardi , 5 to 6 ft. | | | |
| 2 to 3 feet | 4.00 | 35.00 | 300.00 |
| 3 to 4 feet | 5.00 | 45.00 | ..... |
| Spiraea froebeli , 3 to 4 ft. | | | |
| 9 to 12 inches | 1.45 | 15.00 | ..... |
| 12 to 18 inches | 2.75 | 25.00 | 225.00 |
| 18 to 24 inches | 3.30 | 30.00 | 250.00 |
| 24 to 30 inches | 4.50 | 40.00 | 350.00 |
| Spiraea thunbergi , 3 to 4 ft. | | | |
| 18 to 24 inches | 3.50 | 30.00 | 250.00 |
| 2 to 3 feet | 4.50 | 40.00 | 350.00 |
| 3 to 4 feet | 5.50 | 50.00 | 450.00 |
| Spiraea vanhouttei (Bridal Wreath), 5 to 7 ft. | | | |
| 12 to 18 inches | 2.00 | 18.00 | 165.00 |
| 18 to 24 inches | 2.50 | 22.00 | 200.00 |
| 2 to 3 feet | 3.00 | 25.00 | 200.00 |
| Viburnum americana (American Highbush Cranberry), 7 to 8 ft. | | | |
| 12 to 18 inches | 4.00 | 35.00 | 300.00 |
| 18 to 24 inches | 5.50 | 50.00 | 450.00 |
| Viburnum opulus sterile (Snowball), 6 to 8 ft. | | | |
| 12 to 18 inches | 4.00 | 35.00 | 300.00 |
| 18 to 24 inches | 5.50 | 50.00 | 450.00 |

BLEEDING HEART

Bleeding Heart (*Dicentra spectabilis*)
Graceful, heart-shaped flowers, rose-pink.

| | Per 10 | Per 100 | Per 1000 |
|------------|--------|---------|----------|
| 3 to 5-eve | \$4.00 | \$35.00 | \$300.00 |

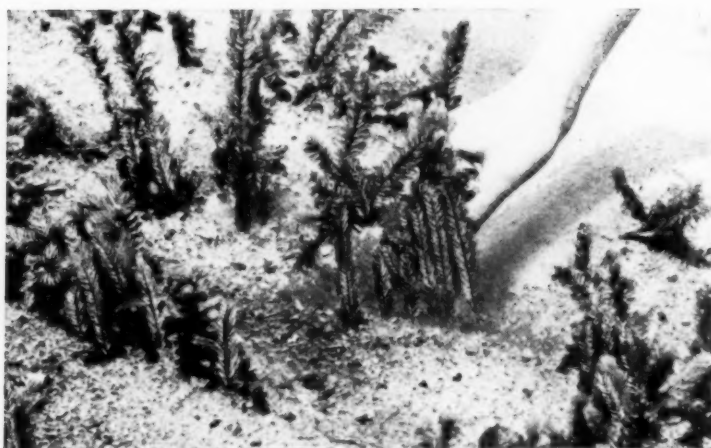
LINING-OUT SHADE TREES AND SHRUBS

NOTE: 300 or more of a variety at the 1000 rate.

| | | |
|------------------------------------|--------|---------|
| Ash, Green | Per 10 | Per 100 |
| 12 to 18 inches | \$1.75 | \$16.00 |
| 18 to 24 inches | 2.50 | 22.00 |
| 2 to 3 feet | 4.00 | 35.00 |
| 3 to 4 feet | 5.50 | 50.00 |
| Elm, American | | |
| 6 to 12 inches | 1.15 | 10.00 |
| 12 to 18 inches | 1.75 | 16.00 |
| 18 to 24 inches | 2.50 | 22.00 |
| 2 to 3 feet | 4.00 | 35.00 |
| 3 to 4 feet | 5.00 | 45.00 |
| Poplar, Lombardy | | |
| 12 to 18 inches | 2.75 | 25.00 |
| 18 to 24 inches | 4.00 | 35.00 |
| 2 to 3 feet | 5.50 | 50.00 |
| 3 to 4 feet | 8.50 | 75.00 |
| 4 to 5 feet | 10.00 | 90.00 |
| Willow, Niobe Weeping | | |
| 2 to 3 feet | 6.50 | 60.00 |
| 3 to 4 feet | 11.00 | 100.00 |
| 4 to 5 feet | 16.00 | 140.00 |
| 5 to 6 feet | 20.00 | ..... |
| Maple, Ginnalla (seedlings) | | |
| 6 to 12 inches | 3.00 | 28.00 |
| 12 to 18 inches | 4.50 | 40.00 |
| 18 to 24 inches | 6.00 | 55.00 |
| Olive, Russian | | |
| 12 to 18 inches | 3.50 | 30.00 |
| 18 to 24 inches | 5.00 | 45.00 |
| 2 to 3 feet | 6.50 | 60.00 |
| 3 to 4 feet | 7.00 | 65.00 |
| Willow, Dwarf Blue-leaved | | |
| 12 to 18 inches | 6.00 | 55.00 |
| 18 to 24 inches | 7.50 | 70.00 |

PROTECT NURSERY SEEDLINGS

from weed competition
during vulnerable period



with **ALANAP**

One application gives excellent control of annual weeds from 3 to 8 weeks, even after heavy rains. Alanap is non-hazardous to humans or animals.

Guard your nursery plantings with Alanap. It's Naugatuck's remarkable new selective weed killer that has proved itself nationwide.

Spray Alanap after transplanting and annual weeds are killed as they start to sprout. Hand-weeding costs are largely eliminated!

What's more, where Alanap is sprayed, the nursery plantings in most cases are actually bigger and healthier.

Order Alanap from your local supplier today. Write, wire or phone us if unable to locate immediate source of supply.

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Naugatuck Chemical Division
Naugatuck, Connecticut

producers of seed protectants, fungicides, miticides, insecticides, growth retardants, herbicides: Spergon, Phygon, Aramite, Synklor, MH, Alanap, Duraset.

AMERICAN NURSERYMAN

E. Cody, Cleveland Electric Illuminating Co., Cleveland, O.—A panel: Stanley Goard, landscape engineer, South Bend park department; Rex Wilkinson, Muncie Tree Surgery Co., and a property owner.

JANUARY 11

Morning session, John Duling, presiding.

"Insecticides," by G. E. Lecker, Purdue University.

"Fungicides," by Dr. E. G. Sharvelle, Purdue University.

"Some Trees for Indiana," by H. W. Gilbert and N. W. Marty, Purdue University.

IOWANS PLAN FEATURES

Announcement of the program for the 35th annual convention of the Iowa Nurserymen's Association at the Hotel Kirkwood, Des Moines, January 12 to 14, given here, includes, besides the regular speakers' schedule, two special features. The first of these events is a balloting for the members' 10 favorite street trees, five small and dwarf trees and 10 favorite flowering shrubs for use in Iowa. The information received will be released subsequently.

The second feature is the conducting of a survey to obtain certain business facts about the industry in Iowa. Questionnaires will be prepared; participation is voluntary, and no names are desired. Information will be tabulated, survey forms destroyed and results made available to members.

Other convention activities are as follows:

JANUARY 12

Officer and committee reports.

Iowa nurserymen's clinic, moderated by Harold J. Parnham, Robinson & Parnham, Des Moines. The following subjects will be discussed, among others: Labor rates, retail prices, wholesale prices, shipping methods, equipment, winter work, credits, planting plans, records, markups, insurance, collections and merchandising methods.

Open to active members only, closed to others. Members may take samples, gadgets, questions and problems to present to the group.

Annual slide session in the evening, moderated by Arnold Webster, Kuehn's Nursery, Cedar Falls. Members may take slides; if taking motion picture films, members should notify officials of the size.

JANUARY 13

"Payment Plans for the Nursery Business?", speaker to be announced.

"A Progress Report on Plant Virus Research," speaker to be announced.

"The Amended Unemployment Compensation Law and How It Affects You," by W. E. Jones, Iowa employment security commission.

"Common Sense Rules for Good Health," Dr. W. M. Sproul, speakers' bureau, Iowa State Medical Society.

"A. A. N. Report," Vernon Marshall, Arlington, Neb., president of the American Association of Nurserymen.

Ladies' luncheon at the Hotel Kirkwood.

Afternoon session:

"Flowering Shrubs," an illustrated lec-

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1. Healthier stock.
2. More salable stock.
3. Far fewer replacements.
4. Properly timed blooms.

PROFIT NO. 2

SELL IT!

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1. Satisfied customers.
2. Repeat business.
3. Greater sales volume.
4. Extra profit.

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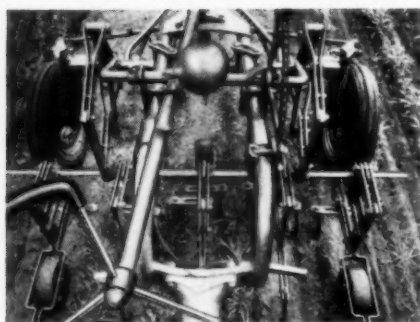
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ture by Roy Nordeen, propagator, the Morton Arboretum, Lisle, Ill.

Reports of "Plant Iowa" program, by Robert Bauge, Shenandoah.

"Modern Irrigation Equipment," by Sterling Evans, president, Evans Orchard Supply Co., Kansas City, Mo.

"Iowa State College Reports," by Dr. John P. Mahlstedt and others.

A. A. N. chapter meeting.

Hospitality hour, courtesy of Mount Arbor Nurseries, in the Garden room.

Annual banquet; address, "Thirty-six Days Behind the Iron Curtain," an illustrated report by Herb Plambeck, farm news director, stations WHO and WHO-TV; entertainment and floor show.

JANUARY 14

New A. A. N. film, "Landscape for Living."

"Let's Restyle the Package," by Dr. Joseph E. Howland, technical editor and director of special events, House Beautiful magazine, New York city. (Nurserymen are requested to take catalogs for discussion and analysis.)

"Horticulture at Iowa State College," by Dr. E. S. Haber, department of horticulture.

Business meeting, with election of officers.

OHIO SHORT COURSE

The department of horticulture and forestry of Ohio State University, Columbus, O., and the Ohio chapter of the National Shade Tree Conference will sponsor their 27th joint short course for arborists, landscape gardeners and nurserymen January 16 to 18, at the Neil House, Columbus. A day's program will be devoted to the interests of each of the trade groups. Registration will start at 9 a. m. January 16, on the mezzanine of the Neil House, the fee being \$3 per person. There will be a dinner at the Neil House Monday evening, at 6:30 o'clock, with entertainment.

Following is the speakers' program scheduled for the 3-day affair:

JANUARY 16, ARBORISTS' DAY

"Is Spray Control of the Dutch Elm and Phloem Necrosis Diseases Practical?," by Dr. R. R. Whitten, acting chief, division of forest insect research, United States Department of Agriculture, forest service, Columbus, O.

"Woody Ornamental Plant Diseases and Their Control," by Dr. Spencer H. Davis, extension specialist in plant pathology, college of agriculture, State University of New Jersey, New Brunswick, N. J.

"1955 Experiments on the Control of Insect Pests of Ornamental Plants," by Dr. R. B. Neiswander, department of entomology, Ohio agricultural experiment station, Wooster, O.

Luncheon and business meeting, Ohio chapter of the National Shade Tree Conference, Town and Country room, Neil House.

Panel discussion—"Fertilizers and Fertilization Practices: Trends, Soluble Fertilizers, Organics, Comparative Costs, Methods of Application." Moderator, Dr. Paul E. Tilford, executive secretary, National Arborists' Association, Wooster, O., with Dr. L. C. Chadwick, department of

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Bundle of 15 Musser seedlings, at right, compared with bundle of 15 ordinary seedlings.

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|---|---------|----------|--|---------|----------|
| ● SPECIAL STRAIN SCOTCH PINE | | | | | |
| Very best Christmas tree strain. Grown from seed collected by our own men from selected parent trees. Exceptionally healthy, sturdy, straight-stemmed specimens, with rich color. | | | | | |
| 2-yr., S., 4 to 8 ins. | \$ 7.00 | \$35.00 | | | |
| ● MUGHO PINE | | | | | |
| 4-yr., S., 5 to 10 ins. | 10.00 | 50.00 | | | |
| 5-yr., T., 5 to 9 ins. | 25.00 | ..... |  |  |  |
| ● BLACK HILLS SPRUCE | | | | | |
| 2-yr., S., 3 to 6 ins. | 5.00 | 25.00 | | | |
| 3-yr., S., 6 to 10 ins. | 8.00 | 40.00 | | | |
| 5-yr., T., 5 to 16 ins. | 30.00 | 150.00 | | | |
| ● SERBIAN SPRUCE | | | | | |
| 3-yr., S., 4 to 8 ins. | 12.00 | 60.00 | | | |
| 3-yr., T., 4 to 8 ins. | 20.00 | ..... |  |  |  |
| ● NORWAY SPRUCE—Fast-growing. | | | | | |
| Special strain of our own collection. | | | | | |
| 2-yr., S., 5 to 10 ins. | 7.00 | 35.00 | | | |
| 5-yr., T., 8 to 12 ins. | 30.00 | 150.00 | | | |
| Excellent understock. | | | | | |
| ● WHITE SPRUCE | | | | | |
| 3-yr., S., 8 to 12 ins. | 8.00 | 40.00 | | | |
| 3-yr., T., 5 to 10 ins. | 13.00 | 65.00 | | | |
| ● COLORADO BLUE SPRUCE | | | | | |
| 3-yr., S., 5 to 10 ins. | 11.00 | 55.00 | | | |
| 4-yr., T., 6 to 10 ins. | 25.00 | 125.00 | | | |
| ● DOUGLAS FIR | | | | | |
| 3-yr., S., 8 to 12 ins. | 10.00 | 50.00 | | | |
| ● AMERICAN ARBORVITAE | | | | | |
| 3-yr., S., 6 to 14 ins. | 8.00 | 40.00 | | | |
| 3-yr., S., 10 to 15 ins. | 15.00 | 75.00 | | | |
| ● CANADIAN HEMLOCK | | | | | |
| 2-yr., S., 4 to 8 ins. | 10.00 | 50.00 | | | |
| 3-yr., S., 8 to 14 ins. | 20.00 | 100.00 | | | |
| ● RED BARBERRY | | | | | |
| 3-yr., S., 6 to 12 ins. | 11.00 | 55.00 | | | |
| 4-yr., S., 12 to 18 ins. | 16.00 | 80.00 | | | |
| ● JUNIPER VIRGINIANA | | | | | |
| 2-yr., S., 8 to 16 ins. | 10.00 | 50.00 | | | |
| 4-yr., T., 8 to 12 ins. | 16.00 | 80.00 | | | |
| ● JAPANESE YEW | | | | | |
| <i>Taxus cuspidata capitata</i> | | | | | |
| 2-yr., S., 3 to 6 ins. | \$20.00 | ..... |  |  |  |
| 3-yr., S., 6 to 12 ins. | 40.00 | \$250.00 | | | |
| <i>Taxus cuspidata</i> | | | | | |
| 1-yr., T., 5 to 6 ins. | 20.00 | 150.00 | | | |
| 2-yr., T., 8 to 12 ins. | 40.00 | 350.00 | | | |
| <i>Taxus hicksi</i> | | | | | |
| 1-yr., T., 6 to 8 ins. | 25.00 | 175.00 | | | |
| 2-yr., T., 8 to 12 ins. | 40.00 | 350.00 | | | |
| <i>Taxus Moon's columnaris</i> | | | | | |
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| 1-yr., T., 5 to 7 ins. | 25.00 | 175.00 | | | |
| 2-yr., T., 6 to 10 ins. | 40.00 | 350.00 | | | |
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| <i>Woodwardi</i> | | | | | |
| 1-yr., T., 5 to 7 ins. | 30.00 | 250.00 | | | |
| <i>Hevey's</i> | | | | | |
| 1-yr., T., 5 to 7 ins. | 30.00 | 200.00 | | | |
| ● PYRAMIDAL ARBORVITAE—Compacta | | | | | |
| 1-yr., T., 5 to 7 ins. | 25.00 | 200.00 | | | |
| ● JAPANESE HOLLY | | | | | |
| <i>Ilex rotundifolia</i> | | | | | |
| 1-yr., T., 5 to 8 ins. | 20.00 | 150.00 | | | |
| <i>Ilex convexa</i> | | | | | |
| 1-yr., T., 5 to 8 ins. | 20.00 | 150.00 | | | |
| ● NORWAY MAPLE | | | | | |
| 2-yr., S., 9 to 18 ins. | 15.00 | 75.00 | | | |
| ● WHITE DOGWOOD | | | | | |
| 2-yr., S., 18 to 24 ins. | 15.00 | 75.00 | | | |

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horticulture and forestry, Ohio State University, Columbus, O.; E. E. Irish, Charles F. Irish Co., Cleveland, O.; Hartel Lucks, Smith Agricultural Chemical Co., Columbus, O.; T. W. Parke, Parke-Speed Tree Service, Columbus, O., and S. W. Parmenter, Kent, O.

Dinner, Neil House.

Entertainment.

"Some Aspects of European Horticulture, illustrated by Dr. L. C. Chadwick.

JANUARY 17

LANDSCAPE GARDENERS' DAY

"Walls and Walks," by Prof. Victor H. Ries, department of horticulture and forestry, Ohio State University.

"A Midwest Appraisal of Merion Bluegrass and Zoysia," by Dr. W. H. Daniel, department of agronomy, Purdue University, Lafayette, Ind.

"Lawn Pest Control: Weeds, Diseases and Insects," by Dr. W. H. Daniel.

"New Thoughts on Landscape Design and Plant Use," by Jack Siebenthaler, Siebenthaler Co., Dayton, O.

Landscape clinic—moderator, Prof. Victor H. Ries.

"Just Traveling Around," illustrated, by Prof. Victor H. Ries.

JANUARY 18, NURSERYMEN'S DAY

Panel discussion—"Soil Fumigation and Sterilization: Portable Sterilizers, Calcium Cyanamide, Larvacide, Methyl Bromide, Vapam." Moderator, Dr. D. C. Kiplinger, department of horticulture and forestry, Ohio State University, with George Hennings, Hennings Greenhouse & Nursery, Swanton, O.; K. W. Reich, department of horticulture and forestry, Ohio State University; Jack Siebenthaler, and Zophar P. Warner, Warner Nurseries, Willoughby, O.

"1955 Chemical Weed Control Experiments," by Philip Barker and W. D. Chambers, Jr., both of the department of horticulture and forestry, Ohio State University.

Ohio State University Floriculture Alumni Association luncheon, Neil House.

"Recent Advances in the Science of Plant Propagation," by Richard Fillmore, Siebenthaler Co.

Round-table workshops:

Container Production of Nursery Stock

Philip Barker, department of horticulture and forestry, Ohio State University; Gerard C. Klyn, Jr., Gerard K. Klyn, Inc., Mentor, O.; Frank Turner, Berryhill Nursery Co., Springfield, O., and Zophar Warner.

"Junipers—The Best in Varieties," Lewis Bookwalter, Berryhill Nursery Co.; William D. Cole, Cole Nursery Co., Painesville, O., and Jack B. Hill, D. Hill Nursery Co., Dundee, Ill.

"Pest Control," by Dr. Ralph Davidson, department of entomology, Ohio State University; Prof. Wayne Ellett, department of botany and plant pathology, Ohio State University, and Dr. R. B. Neiswander.

OHIO WINTER MEETING

The winter meeting program sponsored jointly by the Ohio Nurserymen's Association and the department of horticulture and forestry of Ohio State University, Columbus, has been announced by the pro-

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| SIZE | HEIGHT | Top Diam. | Nearest Clay Pot | No. in Carton | WEIGHT | F.O.B. KANSAS CITY | | F.O.B. MOORESTOWN, N. J.* | |
|-------|------------|-----------|------------------|---------------|----------|------------------------------------|----------|---------------------------|----------|
| No. 0 | 5 1/2 ins. | 5 ins. | 6 ins. | 200 | Per 1000 | Per 100 | Per 1000 | Per 100 | Per 1000 |
| No. 1 | 6 1/2 ins. | 6 ins. | 7 ins. | 100 | 210 lbs. | \$3.75 | \$35.00 | \$ 4.25 | \$ 40.00 |
| No. 2 | 9 1/2 ins. | 7 ins. | 8 ins. | 100 | 340 lbs. | 4.75 | 45.00 | 5.60 | 53.00 |
| No. 3 | 9 ins. | 8 ins. | 9 ins. | 100 | 535 lbs. | 5.25 | 50.00 | 6.50 | 62.50 |
| | | | | | 600 lbs. | 5.75 | 55.00 | 7.15 | 69.00 |
| No. 4 | 13 ins. | 12 ins. | ... | 25 | Per 100 | 25 pots, \$7.00; 50 pots, \$12.25; | | | |
| | | | | | 133 lbs. | 75 pots, \$19.75; 100, \$23.75; | | 26.75 | 240.00 |
| | | | | | | 1000, \$210.00. | | | |

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This potent and highly effective 2 1/2 per cent Lindane dust or spray is packaged in five sizes. 8-oz. and 1-lb. sizes are sifter containers; 12-oz. size is a dust gun; 50-lb. is a handy drum.

| SIZE | No. in Case | Case Weight | Retail Each | Case Price* |
|--------|-------------|-------------|-------------|-------------|
| 8-oz. | 12 | 8 lbs. | \$0.85 | \$ 6.80 |
| 12-oz. | 12 | 13 lbs. | 1.50 | 12.00 |
| 1-lb. | 12 | 16 lbs. | 1.50 | 12.00 |
| 4-lb. | 6 | 29 lbs. | 4.80 | 19.20 |
| 50-lb. | 1 | 50 lbs. | 55.00 | 36.67 |

*Your price in case lots. Transportation prepaid on orders of 100 lbs. or over of Cloverset Rose and Garden Dust.

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☐ Sample of 12-oz. size Cloverset Rose and Garden Dust, no charge.
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SEEDLINGS FOR SPRING

PINE

Per 100 Per 1000

| | | |
|---------------------------|---------|---------|
| Scotch Pine | | |
| 2-yr., 2 to 4 ins. | \$ 2.00 | \$10.00 |
| 2-yr., 4 to 8 ins. | 4.00 | 20.00 |
| 3-yr., 6 to 10 ins. | 7.00 | 35.00 |
| 3-yr., 10 to 16 ins. | 9.00 | 45.00 |
| Scotch Pine (Riga) | | |
| 2-yr., 2 to 4 ins. | 3.00 | 15.00 |
| 2-yr., 4 to 8 ins. | 5.00 | 25.00 |
| Austrian Pine | | |
| 2-yr., 3 to 5 ins. | 4.00 | 20.00 |
| 3-yr., 5 to 8 ins. | 5.00 | 25.00 |
| 3-yr., 8 to 14 ins. | 7.00 | 35.00 |
| American Red Pine | | |
| 2-yr., 2 to 4 ins. | 3.00 | 15.00 |
| 3-yr., 4 to 6 ins. | 5.00 | 25.00 |
| 3-yr., 6 to 12 ins. | 6.00 | 30.00 |
| 4-yr., 12 to 18 ins. | 8.00 | 40.00 |
| Mugho Pine | | |
| 3-yr., 2 to 5 ins. | 4.00 | 20.00 |
| 4-yr., 4 to 7 ins. | 7.00 | 35.00 |
| 4-yr., 6 to 12 ins. | 10.00 | 50.00 |

SPRUCE

| | | |
|----------------------|-------|-------|
| Norway Spruce | | |
| 2-yr., 2 to 4 ins. | 3.00 | 15.00 |
| 2-yr., 4 to 8 ins. | 5.00 | 25.00 |
| White Spruce | | |
| 2-yr., 2 to 4 ins. | 3.00 | 15.00 |
| 3-yr., 4 to 6 ins. | 4.00 | 20.00 |
| 3-yr., 5 to 8 ins. | 7.00 | 35.00 |
| Blue Spruce | | |
| 3-yr., 3 to 5 ins. | 6.00 | 30.00 |
| 3-yr., 5 to 9 ins. | 9.00 | 45.00 |
| 4-yr., 5 to 10 ins. | 12.00 | 60.00 |

FIR

| | | |
|--------------------|------|-------|
| Douglas Fir | | |
| 2-yr., 2 to 4 ins. | 4.00 | 20.00 |
| 2-yr., 3 to 6 ins. | 6.00 | 30.00 |
| 3-yr., 3 to 5 ins. | 5.00 | 25.00 |
| 3-yr., 5 to 8 ins. | 7.00 | 35.00 |

TRANSPLANTS

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|--------------------------|-------|-------|
| Scotch Pine | | |
| (2-1), 3 to 6 ins. | 6.00 | 30.00 |
| (2-2), 6 to 10 ins. | 9.00 | 45.00 |
| (2-2), 10 to 18 ins. | 9.00 | 75.00 |
| Austrian Pine | | |
| (2-2), 5 to 10 ins. | 9.00 | 45.00 |
| American Red Pine | | |
| (2-2), 4 to 8 ins. | 7.00 | 35.00 |
| (2-2), 8 to 14 ins. | 11.00 | 55.00 |
| White Pine | | |
| (2-2), 4 to 8 ins. | 9.00 | 45.00 |
| Blue Spruce | | |
| (2-2), 3 to 6 ins. | 10.00 | 50.00 |
| (2-2), 6 to 10 ins. | 15.00 | 75.00 |
| Norway Spruce | | |
| (2-2), 4 to 6 ins. | 8.00 | 40.00 |
| (2-2), 6 to 10 ins. | 12.00 | 60.00 |
| (2-2), 10 to 14 ins. | 17.00 | 85.00 |
| White Spruce | | |
| (2-2), 4 to 6 ins. | 8.00 | 40.00 |
| (2-2), 6 to 10 ins. | 12.00 | 60.00 |
| (2-2), 10 to 14 ins. | 17.00 | 85.00 |

Cash or 25% deposit with order, balance C.O.D. 5% discount on quantities of 25,000.

SAM DIBLE NURSERY
R. F. D. 3 SHELOCTA, PA.

gram committee — Frank Turner, Springfield, chairman; John Sieben-thaler, Dayton; James Scarff, New Carlisle, and Dr. L. C. Chadwick, Ohio State University. Sessions will be held January 18 to 20, at the Neil House, Columbus. Exhibits will be staged on the mezzanine and main lobby floors January 16 to 20.

JANUARY 18

2:00 p. m.—“Advances in the Science of Plant Propagation,” by Richard H. Fillmore, president, Plant Propagators' Society.

3:00 p. m.—Separate round-table work shops. Each round-table group will be headed by a panel of men, experienced in their respective subjects. Dr. L. C. Chadwick will serve as roving moderator among the sessions.

(a) “The Growing of Juniperus Species.”

(b) “Pest Control on Nursery Stock.”

(c) “Observations on 1955 Results with Growing Nursery Plants in Metal Containers.”

Hospitality party in the evening.

JANUARY 19

10:10 a. m.—“House of the Future.”

10:45 a. m.—Speaker to be announced

11:15 a. m.—Business meeting.

2:00 p. m.—“Recent Trends in Practical Nursery Operations.”

2:45 p. m.—“Current Notes on Landscape Design and Execution.”

Twenty-fourth annual repetition of “Ye Olde Tyme Dinner,” with entertainment, orchestra, dancing and famous people.

JANUARY 20.

10:00 a. m.—“Advances in the Gardening Science.”

10:45 a. m.—“The Ohio Nurserymen's Association Research Project—Outline of the Past Year's Work,” by Phil Barker, O. N. A. research student, Ohio State University.

Forecast and comment on the new year's work, by Paul Aukeman, chairman, and other committeemen.

11:45 a. m.—Business meeting.

12:15 p. m.—Annual luncheon meeting for members of chapter I of the American Association of Nurserymen, their wives and families.

IDAHO SCHOOL

Representatives of the nursery industry will have a large part in conducting the seventh annual garden school for home gardeners, a program scheduled for January 16 to 18 in the Crystal ballroom of the Hotel Boise, Boise, Ida. Cooperating with members of the Idaho Association of Nurserymen will be members of state college and experiment station staffs, representatives of city and other government departments and amateur garden specialists.

Warren Carnefix, president of the Idaho Association of Nurserymen, Fruitland, will chairman the opening session and later talk on “Budding, Grafting and Pruning.” Sid Nelson and Dick Nadeau, Nelson Nurseries, Boise; Peter Hamon, King Brown Nursery, Caldwell; Kenneth Briggs,

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SHADE TREES

| | Priced Each |
|---|----------------|
| 3000 Acer (Silver Maple), 2-yr., T., 6 to 8 ft., well-br. | \$0.75 |
| 2000 2-yr., T., 8 to 10 ft., well-br. | 1.00 |
| 1000 3-yr., T., 10 to 12 ft., well-br. | 1.40 |
| 1000 Norway Maple, 2-yr., T., 5 to 6 ft. | 1.25 |
| 1000 Albizzia (Mimosa), 2-yr., 3 to 4 ft. | .20 |
| 500 Chinese Chestnut (blight-proof), 2-yr., 5 to 6 ft. | 1.25 |
| 500 Chinese Chestnut (blight-proof), 6 to 8 ft. | 1.50 |
| 1000 Redbud (Cercis canadensis), 4 to 5 ft., br. | .60 |
| 1000 Pink-flowering Dogwood, 2 to 3 ft., well-br. | 1.25 |
| 1000 3 to 4 ft., well-br. | 2.50 |
| 1000 4 to 5 ft., well-br. | 4.00 |
| 2000 White-flowering Dogwood, 3 to 4 ft., br. | .50 |
| 2000 4 to 5 ft., br. | .85 |
| 1000 5 to 6 ft., br. | 1.25 |
| 500 6 to 8 ft., br. | 1.75 |
| 500 Tulip Poplar, 2-yr., 6 to 8 ft., br. | .75 |
| 500 Sweet Gum, 3-yr., 5 to 6 ft., br. | 1.00 |
| 500 Magnolia acuminata, 3-yr., 5 to 6 ft. | 1.00 |
| 1000 American Sycamore (Plane Tree), 4 to 5 ft. | .50 |
| 1000 5 to 6 ft. | .60 |
| 1000 6 to 8 ft. | .75 |
| 500 8 to 10 ft. | 1.00 |
| 1000 True Pin Oak, 3-yr., 4 to 5 ft. | 1.00 |
| 500 American Linden, 3-yr., 4 to 5 ft. | 1.00 |
| 1000 Chinese Elm, 2-yr., 5 to 6 ft. | .65 |

HARDY FLOWERING SHRUBS

Well-Branching Plants

| | |
|--|-----|
| 3000 Abelia grandiflora, broad-leaved evergreen, 18 to 24 ins., well-br. | .25 |
| 3000 Abelia grandiflora, broad-leaved evergreen, 2 to 3 ft., well-br. | .35 |
| 1000 Double Pink-flowering Almond (own roots), 2-yr., T., 18 to 24 ins. | .25 |
| 1000 2-yr., T., 2 to 3 ft. | .35 |
| 500 3-yr., T., 3 to 4 ft. | .45 |
| 1000 Barberry, thunbergi, Green, 3-yr., 15 to 18 ins. | .25 |
| 1000 Barberry, red-leaved, 3-yr., 18 to 24 ins. | .45 |
| 500 Barberry, red-leaved, 3-yr., 24 to 30 ins. | .60 |
| 1000 Butterfly, white, 3-yr., 2 to 3 ft. | .25 |
| 500 Butterfly, purple, 2-yr., 18 to 24 ins. | .25 |
| 500 Cotoneaster acutifolia, 18 to 24 ins. | .40 |
| 500 Cotoneaster acutifolia, 2 to 3 ft. | .50 |
| 500 Citrus trifoliata (Hardy Orange), 2 to 3 ft. | .30 |
| 500 Cornus lutea (Yellow Bark Dogwood), 18 to 24 ins. | .45 |
| 2000 Cornus stolonifera (Red Bark Dogwood), 18 to 24 ins. | .10 |
| 3000 Cydonia japonica, upright red, 12 to 18 ins. | .25 |
| 2000 18 to 24 ins. | .35 |
| 1000 2 to 3 ft. | .45 |
| 5000 Deutzia Pride of Rochester, 18 to 24 ins. | .10 |
| 5000 Deutzia Pride of Rochester, 2 to 3 ft. | .15 |

HARDY FLOWERING SHRUBS—Continued

| | Priced Each |
|--|----------------|
| 5000 Forsythia fortunei, 18 to 24 ins. | \$0.15 |
| 5000 Forsythia fortunei, 2 to 3 ft. | .20 |
| 1000 Witch Hazel, virginiana, 18 to 24 ins. | .30 |
| 1000 Hydrangea P. G., extra-large bloom, 18 to 24 ins. | .30 |
| 1000 Hydrangea P. G., extra-large bloom, 2 to 3 ft. | .40 |
| 5000 Hydrangea P. G., regular bloom, 18 to 24 ins. | .20 |
| 5000 Hydrangea P. G., regular bloom, 2 to 3 ft. | .30 |
| 1000 Oakleaf Hydrangea, 18 to 24 ins., T. | .35 |
| 2000 Red Cape Myrtle, 18 to 24 ins. | .25 |
| 2000 Pink Cape Myrtle, 18 to 24 ins. | .25 |
| 2000 Purple Cape Myrtle, 18 to 24 ins. | .25 |
| 2000 Hypericum prolificum, 18 to 24 ins. | .20 |
| 1000 Lilac, Persian, 18 to 24 ins. | .25 |
| 1000 Common Purple Lilac, 18 to 24 ins. | .30 |
| 3000 Lonicera fragrantissima, 18 to 24 ins. | .15 |
| 3000 Lonicera fragrantissima, 2 to 3 ft. | .25 |
| 5000 Lonicera, Tartarian, pink, 18 to 24 ins. | .15 |
| 5000 Lonicera, Tartarian, pink, 2 to 3 ft. | .20 |
| 5000 Lonicera morrowi, 18 to 24 ins. | .15 |
| 5000 Lonicera morrowi, 2 to 3 ft. | .20 |
| 2000 Philadelphus coronarius, 18 to 24 ins. | .15 |
| 1000 Philadelphus coronarius, 2 to 3 ft. | .20 |
| 1000 Purple Fringe (Rhus cotinoides), 2 to 3 ft. | .30 |
| 1000 Purple Fringe (Rhus cotinoides), 3 to 4 ft. | .40 |
| 3000 Pussy Willow, 18 to 24 ins. | .15 |
| 2000 Spiraea foebeli, 15 to 18 ins. | .25 |
| 3000 Spiraea thunbergi, 2 to 3 ft. | .20 |
| 1000 Spiraea thunbergi, 3 to 4 ft. | .30 |
| 10,000 Spiraea vanhouttei, 12 to 18 ins. | .10 |
| 5000 18 to 24 ins. | .15 |
| 3000 2 to 3 ft. | .20 |
| 2000 White Snowberry (Racemosus), 18 to 24 ins. | .15 |
| 5000 Red Snowberry (Coralberry), 12 to 18 ins. | .05 |
| 1000 Tamarix africana, 18 to 24 ins. | .30 |
| 10,000 Weigela rosea, 12 to 18 ins. | .10 |
| 10,000 18 to 24 ins. | .12 1/2 |
| 5000 2 to 3 ft. | .15 |
| 2000 Weigela, variegated, 18 to 24 ins. | .30 |

HEDGE PLANTS

| | Per 1000 |
|---|----------|
| 10,000 Amur River North Privet, 12 to 18 ins., 2 br. | \$30.00 |
| 10,000 18 to 24 ins., 2 br. | 40.00 |
| 10,000 12 to 18 ins., 3 br. and up | 50.00 |
| 10,000 18 to 24 ins., 3 br. and up | 65.00 |
| 5000 2 to 3 ft., 4 br. and up | 90.00 |
| 10,000 California Privet, 12 to 18 ins., 2 br. | 30.00 |
| 10,000 18 to 24 ins., 2 br. | 40.00 |
| 10,000 12 to 18 ins., 3 br. and up | 40.00 |
| 10,000 18 to 24 ins., 3 br. and up | 50.00 |
| 5000 2 to 3 ft., 4 br. and up | 75.00 |
| 2000 Ibolium Privet, 12 to 18 ins., 2 br. | 30.00 |
| 2000 18 to 24 ins., 2 br. | 40.00 |
| 2000 12 to 18 ins., 3 br. and up | 50.00 |
| 2000 18 to 24 ins., 3 br. and up | 65.00 |
| 2000 2 to 3 ft., 4 br. and up | 90.00 |

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| Strong, well-rooted, 1-yr. plants; propagated in soil frames | \$4.25 | \$38.50 | \$36.50 |
| 2 to 3-yr. field plants | 6.00 | 55.00 | 50.00 |

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Briggs Nursery, Pocatello, and Robert Gates, Petrie Nurseries, Boise, will also serve as chairmen of sessions and take part in discussion groups. John Jensen, Boise, a landscape architect, will talk on "Landscape Scenes Around Boise."

ARBORISTS' SCHOOL

The arborists' school sponsored by the college of forestry of the State University of New York and the annual meeting of the New York State Arborists' Association, which will be held January 16 and 17 at the Hotel Onondaga, Syracuse, N. Y., are open to all individuals with a commercial, technical or scientific interest in growing or caring for trees and shrubs. Individual sessions will be devoted to tree diseases; tree and shrub insects, quarantines and soil problems; safety practices, and equipment use. A registration fee of \$12 will include two luncheons and the banquet.

NEW YORK SCHOOL CHANGE

At the request of the New York state nurserymen, the 12th annual nursery school that had been scheduled for January 24 and 25 at the Long Island Agricultural and Technical Institute, Farmingdale, L. I., has been postponed until sometime during the summer of 1956, according to recent announcements. The reason for the change is the great number of other meetings occurring in January.

However, the nursery meeting scheduled by the extension services of Nassau and Suffolk counties for January 25 will be held on that date from 1:30 to 5 p. m. Further information on this program can be obtained from James McFaul, Nassau county extension service, Old Courthouse, Mineola, N. Y.

TRENTON MEETING

The New Jersey Association of Nurserymen has planned a brief program during the 1956 New Jersey farmers' week, January 23 to 28, at Trenton. The nurserymen will gather January 24 in the ballroom of the Hotel Hildebrecht, where Albert B. Flemer, president of the association, will preside over the program. Luncheon will be served at 12:30 p. m. At 1:30, Russell J. Seibert, director, of Longwood Gardens, Kennett Square, Pa., will present an illustrated talk on the subject, "The Nurserymen's Interest in Longwood Gardens." After a discussion period there will be another

DECIDUOUS SEEDLINGS

for Spring, 1956

TERMS: As per our published list which includes satisfactory credit or cash with order.
Please order full bunches. 300 of any variety and size at 1000 rate.

| | Per 100 | Per 1000 | | Per 100 | Per 1000 |
|-----------------------------|---------|----------|---------------------------------|---------|----------|
| ASH, GREEN | | | | | |
| 3 to 4 ft. | \$ 5.60 | \$ 50.00 | HONEYSUCKLE | | |
| 2 to 3 ft. | 4.00 | 35.00 | 18 to 24 ins. | \$11.00 | \$100.00 |
| 18 to 24 ins. | 2.90 | 25.00 | 12 to 18 ins. | 7.50 | 65.00 |
| 12 to 18 ins. | 2.10 | 18.00 | 6 to 12 ins. | 5.60 | 50.00 |
| 6 to 12 ins. | 1.20 | 10.00 | LOCUST, BLACK | | |
| BOX ELDER | | | 3 to 4 ft. | 5.50 | 50.00 |
| 3 to 4 ft. | 5.60 | 50.00 | 2 to 3 ft. | 4.00 | 35.00 |
| 2 to 3 ft. | 4.00 | 35.00 | 18 to 24 ins. | 2.90 | 25.00 |
| 18 to 24 ins. | 2.90 | 25.00 | 6 to 12 ins. | 1.20 | 10.00 |
| 12 to 18 ins. | 2.10 | 18.00 | LOCUST, THORNLESS HONEY | | |
| 6 to 12 ins. | 1.20 | 10.00 | 4 to 5 ft. | 14.00 | 120.00 |
| CHERRY, WILD BLACK | | | 3 to 4 ft. | 8.50 | 75.00 |
| 2 to 3 ft. | 5.50 | 50.00 | 2 to 3 ft. | 5.00 | 45.00 |
| 18 to 24 ins. | 4.00 | 35.00 | 18 to 24 ins. | 3.50 | 30.00 |
| 12 to 18 ins. | 3.00 | 25.00 | 12 to 18 ins. | 2.40 | 20.00 |
| CARAGANA ARBORESCENS | | | 6 to 12 ins. | 1.70 | 14.00 |
| 3 to 4 ft. | 9.00 | 80.00 | OAK, BUR | | |
| 2 to 3 ft. | 6.00 | 55.00 | 2 to 3 ft. | 15.00 | .... |
| CORNUS RACEMOSA | | | 18 to 24 ins. | 12.00 | 100.00 |
| 2 to 3 ft. | 7.50 | .... | 12 to 18 ins. | 8.50 | 75.00 |
| 18 to 24 ins. | 6.00 | 55.00 | 9 to 12 ins. | 6.50 | 55.00 |
| 12 to 18 ins. | 5.00 | 45.00 | OLIVE, RUSSIAN | | |
| 6 to 12 ins. | 3.00 | 25.00 | 2 to 3 ft. | 7.50 | 65.00 |
| CORNUS STOLONIFERA | | | 18 to 24 ins. | 5.00 | 45.00 |
| 18 to 24 ins. | 6.00 | 55.00 | 6 to 12 ins. | 2.40 | 20.00 |
| 12 to 18 ins. | 5.00 | 45.00 | PRUNUS AMERICANA | | |
| 6 to 12 ins. | 3.00 | 25.00 | No. 3, about 2/16-in. cal. | 2.10 | 18.00 |
| ELM, CHINESE | | | RIBES ODORATUM | | |
| 5 to 6 ft. | 19.00 | 160.00 | 18 to 24 ins. | 7.00 | 65.00 |
| 4 to 5 ft. | 12.00 | 100.00 | 12 to 18 ins. | 5.00 | 45.00 |
| 3 to 4 ft. | 7.50 | 65.00 | 6 to 12 ins. | 3.50 | 30.00 |
| 2 to 3 ft. | 4.50 | 40.00 | REDBUD | | |
| 18 to 24 ins. | 2.90 | 25.00 | 12 to 18 ins. | 6.50 | 60.00 |
| 12 to 18 ins. | 2.10 | 18.00 | 6 to 12 ins. | 4.50 | 40.00 |

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address, "How Things Look from Here," by Herbert W. Voorhees, president, New Jersey farm bureau, Trenton.

WESTERN NEW YORK MEET

The winter meeting of the Western New York Nurserymen's Association will be held in the Sheraton hotel, Rochester, N. Y., January 20, 1956, it has been announced by William F. Kelly, secretary of the association.

MASSACHUSETTS DATES

George M. Fellows, secretary of the Massachusetts Nurserymen's Association, has announced the date for the annual meeting of the organi-

zation as January 24, 1956. The Hotel Kenmore, Boston, will be headquarters.

READY IN WASHINGTON

Following is the program that has been arranged for the winter convention of the Washington State Nurserymen's Association and chapter 28 of the American Association of Nurserymen at the Benjamin Franklin hotel, Seattle, Wash., January 23 and 24:

JANUARY 23

Business meeting called to order by Larry Krause, Krause Nursery, Inc., Spokane, president of the Washington State Nurserymen's Association.

Ladies' program. All the ladies will assemble in the hotel penthouse for a fash-

ion show staged by Elizabeth Leonard, Pacific northwest television celebrity.

Group lunch.

Afternoon session:

Walter W. Harris, manager of the federal trade commission for Washington, Oregon, Idaho, Montana, Wyoming and Alaska, speaking on, "What the Federal Trade Commission Is Doing for the Nursery Industry."

Dr. Walter J. Wills, extension marketing specialist, United States Department of Agriculture and State College of Washington, speaking on, "The Purposes of the New Nursery Industry Market Research Project."

Dr. T. A. Merrill, chairman of the department of horticulture, State College of Washington, reporting on current activities at Pullman.

Brian O. Mulligan, director of the University of Washington Arboretum, reporting on new materials being tested.

George W. Eade, nursery inspection supervisor, state department of agricul-

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For immediate or later delivery as desired.

Heat-treated planting stock, set in chemically treated soil; free from disease and insects.

Leading varieties, as designated by (*) below, will be supplied from indexed virus-free mother plants that were grown in our large screen house. The production of planting stock inside our screen house assures Buntings' customers of receiving plants that are substantially free of virus. Give your customers the best by making Buntings' your headquarters for your strawberry requirements!

STANDARD JUNE-BEARING

| | 25 | 50 | 100 | 250 | 500 | 1000 |
|--------------------|-------|--------|--------|--------|--------|---------|
| *Albritton | \$.55 | \$1.00 | \$1.60 | \$3.25 | \$6.00 | \$11.00 |
| Ambrosia Late | .50 | .90 | 1.50 | 3.00 | 5.50 | 10.00 |
| *Armora | .50 | .90 | 1.50 | 3.00 | 5.50 | 10.00 |
| *Bellmar | .50 | .90 | 1.50 | 3.00 | 5.50 | 10.00 |
| Big Joe | .50 | .90 | 1.50 | 3.00 | 5.50 | 10.00 |
| *Blakemore | .50 | .90 | 1.50 | 3.00 | 5.50 | 10.00 |
| *Catskill | .55 | 1.00 | 1.60 | 3.25 | 6.00 | 11.00 |
| *Dixieland | .60 | 1.10 | 1.75 | 3.50 | 6.50 | 12.00 |
| Dorsett | .50 | .90 | 1.50 | 3.00 | 5.50 | 10.00 |
| *Dunlap | .50 | .90 | 1.50 | 3.00 | 5.50 | 10.00 |
| Eden | .50 | .90 | 1.50 | 3.00 | 5.50 | 10.00 |
| Empire | .55 | 1.00 | 1.60 | 3.25 | 6.00 | 11.00 |
| *Fairfax | .50 | .90 | 1.50 | 3.00 | 5.50 | 10.00 |
| Fairland | .50 | .90 | 1.50 | 3.00 | 5.50 | 10.00 |
| Fairpeake | .55 | 1.00 | 1.60 | 3.25 | 6.00 | 11.00 |
| Florida No. 90 | .50 | .90 | 1.50 | 3.00 | 5.50 | 10.00 |
| *Klondike | .50 | .90 | 1.50 | 3.00 | 5.50 | 10.00 |
| *Klonmore | .50 | .90 | 1.50 | 3.00 | 5.50 | 10.00 |
| *Massey | .55 | 1.00 | 1.60 | 3.25 | 6.00 | 11.00 |
| *Midland | .55 | 1.00 | 1.60 | 3.25 | 6.00 | 11.00 |
| *Missionary | .50 | .90 | 1.50 | 3.00 | 5.50 | 10.00 |
| Plentiful | .50 | .90 | 1.50 | 3.00 | 5.50 | 10.00 |
| *Pocahontas | .60 | 1.10 | 1.75 | 3.50 | 6.50 | 12.00 |
| *Premier | .55 | 1.00 | 1.60 | 3.25 | 6.00 | 11.00 |
| Red Crop | .50 | .90 | 1.50 | 3.00 | 5.50 | 10.00 |
| *Red Star | .55 | 1.00 | 1.60 | 3.25 | 6.00 | 11.00 |
| *Robinson | .50 | .90 | 1.50 | 3.00 | 5.50 | 10.00 |
| *Sparkle | .50 | .90 | 1.50 | 3.00 | 5.50 | 10.00 |
| *Stelemaster | .55 | 1.00 | 1.60 | 3.25 | 6.00 | 11.00 |
| Temple | .50 | .90 | 1.50 | 3.00 | 5.50 | 10.00 |
| *Tennessee Beauty | .50 | .90 | 1.50 | 3.00 | 5.50 | 10.00 |
| *Tennessee Shipper | .50 | .90 | 1.50 | 3.00 | 5.50 | 10.00 |
| *Vermilion | .50 | .90 | 1.50 | 3.00 | 5.50 | 10.00 |
| Wisconsin 214 | .60 | 1.10 | 1.75 | 3.50 | 6.50 | 12.00 |
| Wisconsin 261 | .60 | 1.10 | 1.75 | 3.50 | 6.50 | 12.00 |

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| | | | | | | |
|-------------------|------|------|------|------|-------|-------|
| Gem | .80 | 1.50 | 2.50 | 5.50 | 11.50 | 20.00 |
| Mastodon | .85 | 1.55 | 2.75 | 6.25 | 11.75 | 22.00 |
| Streamliner | .85 | 1.55 | 2.75 | 6.25 | 11.75 | 22.00 |
| Superfection | .80 | 1.50 | 2.50 | 5.50 | 11.50 | 20.00 |
| Twentieth Century | 1.50 | 2.50 | 3.75 | 8.75 | 16.00 | 30.00 |

Write for special prices on large numbers; free packing for cash with order.

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QUALITY LINERS

| | |
|-----------------------------|---------|
| Colorado Blue Spruce | Per 100 |
| 4 to 8 ins., transplants | \$15.00 |
| Douglas Fir | |
| 4 to 8 ins., transplants | 15.00 |
| Canadian Hemlock | |
| 4 to 8 ins., transplants | 20.00 |
| Pink-flowering Dogwood | |
| 6 to 10 ins., 1-yr. grafts | 65.00 |
| 10 to 15 ins., 1-yr. grafts | 75.00 |

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ture, reporting on current conditions and activities.

Refreshments in the Plaza room.

Banquet in the Cascade room; speaker to be announced; entertainment, followed by dancing.

JANUARY 24

"Welcome to Seattle," by Mayor Allen Pomeroy.

A. A. N. motion picture, "Landscape for Living."

A. A. N. chapter 28 business session.

Group lunch.

Afternoon session:

Round-table discussions.

"Nursery Budgeting," Bryan Taylor, Taylor Nursery, Seattle, leader.

"Cost of Canning," Fred Dent, Mountain Meadow Nursery, Monroe, leader.

"Cost of Landscaping," Clarence Prentice, Prentice Nursery, Seattle, leader.

Business windup.

MICHIGAN PROGRAM

Four panel discussions will be featured on the expansive program for the annual convention of the Michigan Association of Nurserymen at the Fort Shelby hotel, Detroit, January 25 to 27. In addition to the speakers' schedule and the annual business meeting of the association, publicity activities and entertainment features have been planned to create a program designed to attract a heavy attendance. Registration will begin at 12 noon, January 25, at the headquarters hotel. The complete program, as released by Secretary George G. Farley, Marshall, follows:

JANUARY 25

White-pine tree planting on lawn at new City Hall, Detroit—Presentation by J. Joseph Poleo, Detroit, president, Michigan Association of Nurserymen. Acceptance by "Miss Michigan" and Detroit Mayor Cobo.

Guided tours in Detroit downtown area.

Visiting new City-County building. Ladies' tour to J. L. Hudson Co. store and fashion show.

Televised interviews with visiting ladies.

Annual informal get-together party, with special entertainment and welcoming of new members, in the Sky room, Fort Shelby hotel.

JANUARY 26

Comments and welcome by President J. Joseph Poleo.

Panel discussion—"Michigan Legal Requirements to Move Nursery Stock and Living Christmas Trees." Moderator, John Light, Richland, with George McIntyre, Michigan agricultural commission; Cy Boyer, Dean Lovett, and Paul Armintrout, Allegan.

"Our Experiences with Container-Grown Nursery Stock," illustrated, by Arthur J. Lancaster, Coleman Nursery, Portsmouth, Va.

Nomination of officers and directors; report of secretary.

"The Federal Plant Introduction Program for Ornamentals," by John L. Creech, horticulturist, United States plant introduction garden, Glenn Dale, Md.

Panel discussion—"What's Going On

a new gardening idea . . .

PLANT THE POT TOO!



BIRD VITA-GREEN POTS

The **all-new** gardening container

Plant the all-new Bird VITA-GREEN Pots *with* your plants and *end* needless transplanting. Eliminate transplant shock. Produce stronger, healthier plants. And allow complete root freedom!

Bird VITA-GREEN Pots mean quick and easy planting for you . . . they're light and convenient to handle. They stay clean and mildew resistant. They're green colored for more sales appeal. They're low cost. And — because you plant the pot, too — you don't spend valuable time and money picking up and trucking useless empties.

You'll like the strong and efficient Bird VITA-GREEN Pots . . . your customers will, too! VITA-GREENS are ideal for bedding, vegetable, and annual plants. Begin — today — planting the easy way . . . use Bird VITA-GREEN Pots for extra-easy profits!

Order from supplier's catalogue or write for information and name of nearest distributor. Bird & Son, inc., Horticultural Dept. AN-1, East Walpole, Massachusetts.

YOU GET ALL THESE ADVANTAGES!

1. Low cost
2. No transplant shock
3. Built-in mold inhibitor
4. Vita-Green Pot stays firm until final planting
5. Perfect nesting — less storage space
6. Bright green color for more sales
7. Nutrient treated for better growing

PRICES PER THOUSAND (SOLD IN UNITS OF 2000 ONLY)

| SIZE | PRICE PER M | WEIGHT PER CASE | QUANTITY PER CASE |
|------|-------------|-----------------|-------------------|
| 2¼" | 7.10 | 22 | 2000 |
| 2½" | 8.60 | 26 | 2000 |
| 3" | 12.40 | 36 | 2000 |

VITA BANDS • TOM THUMB FLATS • VITA-POTS



RED POTS • PERENNIAL POTS • VITA-M POTS

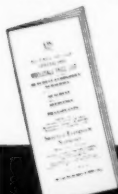
\$ \$ \$ \$ MONEY DOES GROW FROM TREES

.. when you plant healthy, field-grown stock...

from **SUNCREST NURSERIES**

- A positive assurance of yearly increase in the value and beauty of your land.
- Quality that is second to none, for Christmas trees, reforestation, hedges, ornamentals, etc.
- Hardy, northern-grown seedlings and transplants with thick, all-year foliage.

Look at the unusually fine, healthy seedlings shown here. They're the kind of planting stock you get from Suncrest, where every order is carefully graded and packed under the supervision of trained forestry experts. Whether you plant for Christmas trees, ornamentals, hedges, windbreaks, reforestation or reclamation, it will pay you to investigate the savings you can make at Suncrest where only the finest specimens of many varieties are grown by specialists.



... Your Suncrest Tree Profits Never Stop Growing

Send For Illustrated Catalog
And Planting Guide — **FREE**

SUNCREST EVERGREEN NURSERIES

Dept. AN BOX 305 HOMER CITY, PA.



**AMERICAN
RED
PINE**



**BLACK
HILL
SPRUCE**



**MUGHO
PINE**



**WHITE
SPRUCE**

MULTIFLORA ROSE

(*Rosa multiflora japonica*)

Upright, thorny-type, hardy, northern-grown stock, for conservation, living fences and budding understock. Our soil makes the finest fibrous roots. Our high quality is well known. Per 1000

| | |
|---|----------------|
| 1 to 3 mm. in caliper, 8 to 10 ins. in height..... | \$10.00 |
| 3 to 4 mm. in caliper, 10 to 15 ins. in height..... | 15.00 |
| 4 to 6 mm. in caliper, 15 to 20 ins. in height..... | 25.00 |
| 3 to 8 mm. in caliper, 10 to 24 ins. in height..... | 22.50 |

Free Packing

BROOKVILLE NURSERIES

Box 53, Northern Blvd.

GLEN HEAD, N. Y.

LEUCOTHOE CATESBAEI

A good broad-leaved evergreen that grows in dense shade: Lily-of-the-Valley like flowers, reddish-bronze foliage in winter. Contrasts well with Azaleas and Rhododendrons. Fine for flower arrangements. 6 to 8 ins., T. 15¢ each. Can be transplanted now.

Send for list of other choice plants.

ALANWOLD NURSERY

NESHAMINY, Bucks Co., PA.

LILACS ON OWN ROOTS

Leading varieties. All sizes, 2 to 8 ft. Write for list. Inspection invited.

SAMUEL FRASER NURSERY

Box 158
GENESEO, N. Y.

*To all our friends in
the nursery industry!*

HAPPY NEW YEAR

CURTIS NURSERIES

CALLICOON, N. Y.

TAXUS

Upright, 4 to 14 ft.

Truckloads only, no boxing.

BULK'S NURSERIES

BABYLON, L. I., N. Y.

in Nursery Research?" Moderator, Clifford Emlong, with Harold Hicks, Lansing; Dr. Donald P. Watson, Michigan State University, East Lansing; L. L. Boger, Michigan State University; Bernard Ward, East Lansing, and Roy Marshall, Michigan State University.

Luncheon, in the Coral room. Master of ceremonies, Ernest Durrant, Grand Rapids.

"Comments Pertaining to the Next Century," by Harold B. Tukey, Michigan State University, East Lansing.

"The 1956 A. A. N. Objectives," by Vernon Marshall, Arlington, Neb., president of the American Association of Nurserymen.

Panel discussion—"The Regional Organization in Michigan Nursery and Landscape Business." Moderator, Bernard Ward, East Lansing, with John Emerson, Robert Asdell, Joseph Reske, Dwight Hitchcock, Mrs. Ted Laetz, John T. Venman and Herman Berg.

"The Merchandising, the Birth Rate, the Housing Boom, and How Will You Take Care of Nursery Volume?," by L. L. Boger, department of agricultural economics, Michigan State University, East Lansing.

Election of officers and directors, Michigan Association of Nurserymen. Business meeting and committee report. "How to Sell Quality," a motion picture, courtesy of the A. A. N.

Music and refreshments in the Coral room.

Annual banquet, in the Coral room. Master of ceremonies, George G. Farley, Marshall; guest speaker; presentation of awards; entertainment, and dancing.

JANUARY 27

Panel discussion—"Some Special Observations by Special Observers." Moderator, J. Joseph Poleo.

Clifford Emlong, Stevensville — "Sharp Landscape Advantage Using Small Fruits and Brambles."

Harry Walter, Monroe — "Fruit Trees for Everybody from Whips to Whatever Size You Can Dig."

Arthur Watson, Grand Rapids — "Some Business Gone to Pot. So What Can You Do with Tarpaper?"

James Ilgenfritz, Monroe — "Fertilizer by the Ton, and What Good Is It?"

"Up-to-date Observations on Propagation and Production," by Clarence Vanderbrook, research director, Gardening Council, Newark, N. Y.

"Nation-wide Functions of the American Association of Nurserymen," by Vernon Marshall.

Michigan A. A. N. chapter annual meeting and election of delegates to the 1956 A. A. N. convention.

Comments on A. A. N. membership, by Arthur L. Watson.

Panel discussion—"Retail Nursery Operation That Makes the Profit." Moderator, John Stark, Midland, with Al Goldner, Arthur J. Lancaster, J. Joseph Poleo, Harley Wedel, George Young and Del Zimmerman.

Comments on A. A. N. membership, by Arthur L. Watson.

Panel discussion—"Retail Nursery Operation That Makes the Profit." Moderator, John Stark, Midland, with Al Goldner, Arthur J. Lancaster, J. Joseph Poleo, Harley Wedel, George Young and Del Zimmerman.

LOS ANGELES INSTITUTE

Plans for the southern California nursery institute, to be held at the University of California Los Angeles campus, Los Angeles, Calif., January 25, are to place emphasis on the selection and care of plant materials

Now!
IMMEDIATE
DELIVERY
on the NEW

Ariens

MAIL THIS COUPON TODAY!

ARIENS COMPANY, 141 Calumet Street, Brillion, Wis.

Send me full information, without obligation, about the new Ariens TRANS-A-MATIC rotary tillers.

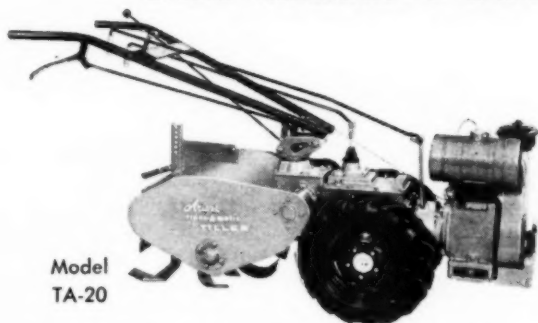
Name _____

Address _____

City _____ Zone _____ State _____



trans-A-matic heavy duty rotary tillers
with exclusive ball and cam differential...



Model
TA-20

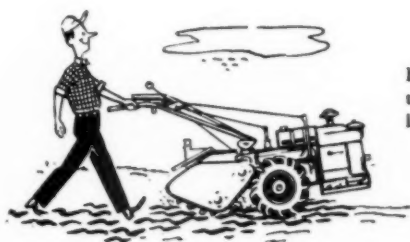
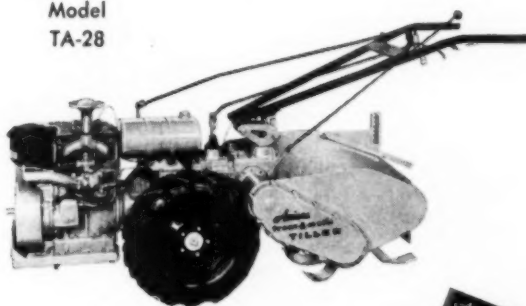
MODEL TA-20: Engine — Wisconsin Model AEN, single cylinder, 8.1 h.p. at 3000 r.p.m. Air cooled. Two speeds forward; one reverse. Low — .81 m.p.h.; high — 1.83 m.p.h.; reverse — .81. Tine speed — 157 r.p.m. All speeds variable on throttle. Tires: traction tread; pneumatic; size 5 x 12. Tillage width: 20". Number of tines: 10.

MODEL TA-28: Engine — Wisconsin Model TF, twin cylinder, 14.6 h.p. at 2600 r.p.m. Air cooled. Two speeds forward; one reverse. Low — .83 m.p.h.; high — 1.86 m.p.h.; reverse — .83 m.p.h. Tine speed — 185 r.p.m. All speeds variable on throttle. Tires: traction tread; pneumatic; size 6 x 12. Tillage width: 28". Number of tines: 14.

... with automatic lock and unlock for positive traction under all operating conditions; fingertip steering; instant turn around at end of row.

Improved operating controls on "dashboard" for easy, one-hand steering; no reaching, stooping, bending! Special-process, hardened steel tines of modified hoe type...bolt-on type; non-winding and warranted non-breakable. Tine diameter 18" for maximum depth of tillage. Fingertip control for vertical and horizontal handlebar control. Depth control has snap-lock positioning control. Welded all-steel hood; soil leveling tailboard. PLUS . . . other TRANS-A-MATIC features!

Model
TA-28



For full details about the Ariens TRANS-A-MATIC rotary tillers, see your dealer or write for colorful new descriptive literature. Mail coupon above today!



Ariens

AMERICA'S FIRST ROTARY TILLAGE—STILL AMERICA'S BEST!

CONVENTION TIME IS SELLING TIME!

Nurserymen all over the nation will be attending winter conventions during the next two months. This is the time that spring buying is uppermost in their minds.

You can reach these nurserymen with your sales message through the advertising columns of the American Nurseryman. Remember, the January and February issues, which contain reports of the winter conventions, enjoy unusually high readership.

SEND YOUR ADVERTISING COPY NOW!

| | |
|---|---------------|
| Azalea mollis , Orange and red, 4-year, transplanted seedlings, 6 to 10 ins. | \$0.45 |
| Cotoneaster dielsiana , bare-root, 18 to 24 ins. | .75 |
| Cotoneaster divaricata , bare-root, 18 to 24 ins. | .75 |
| Thuja occidentalis pyramidalis , B&B, 3 to 4 ft. | 2.50 |
| Viburnum carlesii 2-year seedlings, transplanted, 12 to 18 ins. | .75 |
| 2-year grafts, transplanted, 18 to 24 ins. | 1.25 |
| 4-year grafts, twice transplanted, B&B, 18 to 24 ins. | 1.75 |
| 4-year grafts, twice transplanted, B&B, 2 to 3 ft. | 2.00 |

THE RHODE ISLAND NURSERIES NEWPORT, R. I.

TAXUS MEDIA HALLORAN

Past winters have proved this variety to be very well adapted for the middle western climate. We have 1, 2 and 3-year liners to offer.

VERKADE'S NURSERIES

NEW LONDON, CONN.

FOR 57 YEARS

*Our business has been
growing*

Rhododendrons

Azaleas

Perennials, Roses

All Nursery Items

BOBBINK NURSERIES, INC.

586 Paterson Ave.

E. RUTHERFORD, N. J.

PRIVET and BERBERIS

Splendid Stock

Write for Special Quotations

DIAMOND STATE NURSERIES
MILFORD DELAWARE

DEL-MAR-VA NURSERIES

Growers of Quality

Taxus, Ilex and other Ornamentals.

Ask for list.

DEL-MAR-VA NURSERIES

LINCOLN, DEL.

Phone: Milford, Delaware 4445

NORTHERN COLLECTED EVERGREENS FERNS

PLANTS

SHRUBS

WILLIAM CROSBY HORSFORD
CHARLOTTE, VT.

PIKES PEAK NURSERIES

Division of
Clearfield Bituminous Coal Corp.

INDIANA, INDIANA CO., PA.

Grower of Quality Nursery Stock

Current Trade List on Request

SHEPARD NURSERIES

Growers and Distributors of
ORNAMENTAL NURSERY STOCK

Truckloads only, no boxing.

60 acres growing. Skaneateles, N. Y.

We never talk about the other fellow's low prices; he knows what his merchandise is worth. We grow good evergreen liners. Ask for our wholesale list.

The STEDMAN NURSERIES
NEWFANE, N. Y.

for desert areas. Marston Kimball, of the University of California extension service, and James A. Gibbs, Winsel-Gibbs Seed & Nursery Co., Los Angeles, representing the California Association of Nurserymen, will be in charge of the institute program.

NORTH CALIFORNIA MEET

At the northern California nurserymen's institute to be held at the University of California, Berkeley campus, Berkeley, January 27, the principal subject to be presented will be plant materials. Data will be offered on the climatic areas in the northern and central regions of California. Plant lists will be designed to indicate the limitations of the various plants in the nursery trade, with respect to region and climate. Fruit and vines, ornamental trees and shrubs and ground covers will be considered.

COURSE IN DELAWARE

A short course for Delaware nurserymen has been planned for January 31 at the University of Delaware, Newark, Del. Speakers and their topics announced by Charles W. Dunham, assistant professor of ornamental horticulture at the University of Delaware, include the following: Arthur L. Lancaster, Jr., Coleman Nursery, Portsmouth, Va., "Canned Nursery Stock"; Dr. Arthur Bing, Long Island Agricultural and Technical Institute, "Use of Herbicides for Weed Control," and William Howe, Jr., Howe Nurseries, Pennington, N. J., "Merchandising Methods."

NEW YORK COURSE

Nurserymen often require personnel with broader knowledge of the service and materials which they have to sell. Loss of sales may occur because a salesperson lacks sufficient basic knowledge of simple landscaping or means of coping with its most frequent problems. Nursery managers should be aware of any well-established and reliable courses which may be available in their immediate vicinity. An example of such courses is those given by the New York Botanical Garden, Bronx park, New York. Of timely interest is the course, "Planning the Home Garden," taught by A. F. Murphy, landscape architect of the New York city park department. Mr. Murphy has done a great deal of work with small properties over a period of many years and has an unusual under-

SPECIAL DISCOUNT OFFER

GOOD ONLY UNTIL JANUARY 15—We offer the following special discount schedule on all orders booked on any of the following list of items prior to January 15. The discount to be figured from our current wholesale price list of November 10. If you do not have a copy of this list please advise and we will mail you one immediately. If you have any questions we suggest that you phone us reverse charges or wire collect for clarification.

Discount Schedule: 5% discount on orders totaling \$100.00 to \$300.00
10% discount on orders totaling \$300.00 to \$500.00
15% discount on orders totaling \$500.00 or more.

PLUS an additional 2% discount if cash accompanies order.

FLOWERING SHRUBS:

Green Barberry, 2-yr., S.
Red Barberry, 2-yr., S.
True Hedge Barberry, T., well-br.
Red Osier Dogwood, S.
Japanese Quince, S.
Japanese Quince (Rubra), cuttings, well-br.
Deutzia—cuttings and 2-yr., well-br.
candida, double white
crenata, double pink
Pride of Rochester, double white
Forsythia, cuttings and 2-yr., well-br.
Witch Hazel, S.
Hibiscus Mallow Marvel, S.
Hydrangea Peegee, cuttings
Oak Leaf Hydrangea, T., well-br.

HONEYSUCKLE — cuttings, hedging and 2-yr., well-br.

bella albida
fragrantissima
morrowi
tatarica rosea
tatarica rubra

Philadelphus (Mock Orange) cuttings and well-br.

coronarius, lemoinei, virginialis

Spiraea, cuttings and well-br.

arguta
opulifolius (Physocarpus)
opulifolius aurea
opulifolius nana
prunifolia
thunbergi
vanhouttei

Lilac, cuttings and well-br.

Persian
Common Purple

Viburnum tomentosum,

2-yr., well-br.

Weigela, 2-yr., well-br.

amabilis, light pink
hendersoni, dark pink

PRIVET—cuttings, seedlings and well-br.

Amur River North
Ibolum (Hardy California)
Californica
Ibota
Amur River South (Chinese Privet)

FOREST, SHADE AND ORNAMENTAL TREES

Silver Maple, S. and T., well-br.
Yellow Buckeye, S.
American Redbud, T., well-br.
White-flowering Dogwood, T., well-br.
Pink-flowering Dogwood.

FOREST SHADE and ORNAMENTAL TREES—Continued

Green Ash
White Ash
Sweet Gum, T., well-br.
Osage Orange, S.
Cucumber Tree Magnolia (acuminata), well-br.
Umbrella Magnolia (tripetala), well-br.
American Plane Tree (Sycamore), S. and T., well-br.
Redleaf Peach, br.
Purple-leaved Plum (June Bud)
Japanese Flowering Cherry (Kwanzan), T., well-br.
Quercus (Oak), S.
acuminata (Chinquapin)
alba (White)
digitata (Spanish)
minor (Post)
nigra (Water)
palustris (Pin—True Strain)
prinus (Chestnut)
velutina (Black)
American Elm, S.
Chinese Elm, S. and T., well-br.

NUT TREES

Chinese Chestnut (True blight-resistant strain) I and 2-yr., S.
Hickory, S.
Shellbark (Laciniosa)
Shagbark (Ovata)
Walnut, S.
Black Walnut (Nigra)
White Walnut (Cinerea)

CONIFEROUS EVERGREENS

Juniperus, full, well-sheared, balled and burlapped
Pfitzers
Compact Pfitzers
fastigiata (Columnar Irish)
ashfordi
Irish
hetzi (Blue Spreader)
sabina
vonehron
Tsuga canadensis (Canadian Hemlock)

BROAD-LEAVED EVERGREENS — well-filled plants either bare-root or balled and burlapped.

Abelia grandiflora
Berberis mentorensis
Elaeagnus fruitlandi
Elaeagnus pungens reflexa
Euonymus patens
Laurel Cherry
Leather Viburnum

LINING-OUT EVERGREENS—well-rooted cuttings or seedlings.

Abelia grandiflora
Laurel Cherry

We also have a wide assortment of other shrubs, trees and evergreens at most attractive prices and ask that you please write us for our complete wholesale price list, if you do not have a copy.

FOREST NURSERY CO., INC.

Phones—2425 or 4252
McMINNVILLE, TENN.

J. R. Boyd, President

John T. Boyd, Vice-President

H. B. Stubblefield, Supt.



MALLOW or HARDY HIBISCUS ANNIE J. HEMMING

Plant Patent 835

A beautiful, luminous red Mallow, selected for its rich color, overlapping petals, dark green foliage, medium size and lack of coarseness. Flowers in July, August and September—even until frost. A single two-year plant bore 250 six to seven-inch flowers in one season. Quite hardy.

Easy to grow and transplant.

An ideal plant for mail-order and garden store business.

2-yr., No. 1 Plants

\$17.50 per 10; \$150.00 per 100; \$1,250.00 per 1000.

Color plate available.

Attractive metal plant patent tag attached to each plant.

Write for trade list.

| Chinese Chestnut. | Per 10 | Per 100 |
|---------------------------|---------|---------|
| Hemming strain | | |
| 2 to 3 ft. | \$ 6.00 | \$55.00 |
| 3 to 4 ft. | 7.50 | 70.00 |
| 4 to 5 ft. | 10.00 | |
| 5 to 6 ft. | 15.00 | |
| 6 to 7 ft. | 20.00 | |
| Abelia grandiflora | | Each |
| 2 to 3 ft., B&B | | \$1.75 |

| Tree Box | Each |
|--------------------------|--------|
| 3 to 4 ft., B&B | \$4.00 |
| Elaeagnus pungens | |
| 18 to 24 ins., B&B | 1.50 |
| Pfitzer Juniper | |
| 24 to 30 ins., B&B | 3.50 |
| Ligustrum lucidum | |
| 18 to 24 ins., B&B | 1.75 |

| Southern Magnolia | Each |
|------------------------------|--------|
| 2 to 3 ft., B&B | \$3.50 |
| Pyramidal Arborvitae | |
| 2 to 3 ft., B&B | 3.00 |
| Nandina domestica | |
| 2 to 3 ft., B&B | 2.25 |
| Osmanthus ilicifolius | |
| 2 to 3 ft., B&B | 3.00 |

EASTERN SHORE NURSERIES, INC.

P. O. Box 743 EASTON, MD.

standing both of property owners' and nurserymen's problems and requirements.

Registrations are now being accepted for classes which start on January 24 and continue through March 13. These Tuesday classes may be attended in either afternoon or evening sessions. The course deals with design for plots varying in size from 60x100 feet up to two acres. A complete catalog of courses may be obtained from T. H. Everett, curator of education of the New York Botanical Garden, Bronx park, New York 58, N. Y.

SELECTIVE PROMOTION

[Continued from page 19]

even in the evening hours is one of the many ways that the firm renders the service that the public expects. Mr. Conner found out early in his career that a nurseryman must be a regular encyclopedia of information.

"Nothing proves that so much as the calls we get during a frost or cold wave," he says. "People we have never heard of want advice and reassurance about their fruit trees or their azaleas. Then, there was the lady who wanted us to come right out and report her house orchid. We refer calls like that one to a reliable local greenhouse."

This combination of being accessible, both with space in the telephone book and in service and advice when talking to the prospect, is a good one, Mr. Conner believes, for building repeat business. What is more, he may not hear from a man for several years, yet still consider that man a regular customer.

"You know you are doing a good job when someone you have served before calls you up and tells you he has bought a new house and has set aside a sum of money for you to landscape it," he comments. Conner & Amos, Inc., is proud of having worked for many such customers on three or even more different homes that they have owned during their lifetime.

While his telephone book ads have helped him sell "anything from a rosebush to a \$1,000 landscaping job," Mr. Conner acknowledges that what a nurseryman offers cannot be sold over the telephone. Most people, especially those to whom landscaping is new, like to see before they buy. For that reason, his principal ad in the telephone book features an easy-to-follow route map to the sales lot. Not surprisingly, the Conner & Amos retail operations are active on week-ends. Saturday and Sunday afternoons are the peak times, with anywhere from 50 to 100



drive-in customers, and the number is steadily increasing.

Newspaper Advertising

Helping to stimulate this interest are the ads carried weekly in both Charleston newspapers, usually in the Sunday editions. More and more, Mr. Conner believes, the decisions about landscaping are becoming family matters and "that includes the youngsters, too," he says.

Just as the heaviest concentration of newspaper advertising is employed during the spring, so the firm's mailing of circulars is held for the spring and fall periods. The spring folder on roses, for example, is printed in four colors for February mailing, and the retail catalog is mailed to 3,000 to 5,000 names

**ORIENTAL
MAGNOLIA****ILEX
ROTUNDIFOLIA****KURUME
AZALEA****Bare-Root Liner,
Heavy-Rooted****Sheared, Compact,
Field-Grown Stock****Bed-Grown,
Heavy-Budded****ILEX ROTUNDIFOLIA**

| | |
|---------------------------------------|--------|
| 8 to 12 ins., liners, \$10.00 per 100 | Each |
| 10 to 12 ins., field specimen, B&B | \$0.75 |
| 12 to 15 ins., field specimen, B&B | 1.00 |
| 15 to 18 ins., field specimen, B&B | 1.50 |

**MAGNOLIA SOULANGEANA and
MAGNOLIA NIGRA**

| | |
|--|--------|
| 12 to 18 ins., B.R., liners, \$25.00 per 100 | Each |
| 18 to 24 ins., B.R., liners, \$30.00 per 100 | \$1.30 |
| 2 to 3 ft., B&B, field-grown | 1.60 |
| 3 to 4 ft., B&B, field-grown | 1.05 |
| 2 to 3 ft., B.R., field-grown | 1.35 |
| 3 to 4 ft., B.R., field-grown | |

LINERS and B.R. MAGNOLIA

Prices include packing. B&B stock—prices F.O.B. our nursery, loaded on personal or chartered truck.

KURUME AZALEAS

Well-shaped plants for pot plants and salesyard liners (March delivery), \$90.00 per 1000.

| | |
|------------------------|----------|
| | Per 100 |
| 3 to 5 ins., some buds | \$ 17.50 |
| 4 to 6 ins., budded | 40.00 |
| 6 to 8 ins., budded | 50.00 |
| 8 to 10 ins., budded | 75.00 |
| 10 to 12 ins., budded | 100.00 |

AZALEAS

Packing charge included—Write for F.O.B. prices.

INFORMATION ABOUT TRUCK
SHIPMENTS ON REQUEST.

FLOWERWOOD NURSERY, INC.

Mobile, Alabama
Rt. 1, Box 130
Phone: Hemlock 2-6372

Loxley, Alabama
Phone: Loxley 361

AZALEAS**CAMELLIAS****SHRUBS**

Write for Complete List

NORTHERN-GROWN STOCK

| LANDSCAPE-SIZE SHRUBS | | |
|-----------------------------|---------|----------|
| | Per 10 | Per 100 |
| <i>Clethra alnifolia</i> | | |
| 3 to 4 ft., clumps | \$ 8.00 | \$ 70.00 |
| 4 to 5 ft., clumps | 15.00 | 125.00 |
| <i>Ilex verticillata</i> | | |
| 2 to 3 ft., clumps | 6.00 | 50.00 |
| 3 to 4 ft., clumps | 7.00 | 60.00 |
| <i>Viburnum cassinoides</i> | | |
| 2 to 3 ft., clumps | 6.00 | 50.00 |
| 3 to 4 ft., clumps | 8.00 | 70.00 |
| <i>Viburnum dentatum</i> | | |
| 2 to 3 ft., clumps | 5.00 | 40.00 |
| 3 to 4 ft., clumps | 7.00 | 60.00 |

| SWAMP RED MAPLES—SUGAR MAPLES | | |
|--|------------|---------|
| | Price Each | Per 10 |
| <i>Acer rubrum</i> and <i>Acer saccharum</i> | | |
| 8 to 10 ft., 3/4 to 1-in. cal. | \$2.50 | \$20.00 |
| 10 to 12 ft., 1 to 1 1/4-in. cal. | 3.00 | 25.00 |
| 10 to 14 ft., 1 1/4 to 1 1/2-in. cal. | 4.00 | 35.00 |
| 12 to 15 ft., 1 1/2 to 1 3/4-in. cal. | 6.00 | 50.00 |

| CLUMP BIRCH | | |
|-----------------------------|---------|----------|
| | Per 10 | Per 100 |
| <i>Paper Birch</i> | | |
| 4 to 6 ft., 3 stems and up | \$30.00 | |
| 6 to 8 ft., 3 stems and up | 40.00 | |
| <i>Gray Birch</i> | | |
| 4 to 6 ft., 3 stems and up | 25.00 | \$200.00 |
| 6 to 8 ft., 3 stems and up | 35.00 | 250.00 |
| 8 to 10 ft., 3 stems and up | 50.00 | 400.00 |

All stock is first-quality collected material. Send for complete wholesale list of Hardy Native Ferns, Lilies, Orchids, Wild Flowers, Trees, Shrubs and Evergreens. We do not have Japanese beetle.

ISAAC LANGLEY WILLIAMS

P. O. Box 352

EXETER, N. H.

| RED OAK | | |
|-----------------------------------|----------|---------|
| | Per 10 | Per 100 |
| <i>Quercus borealis</i> | | |
| 8 to 10 ft., 1-in. cal. | \$ 35.00 | |
| 10 to 12 ft., 1 1/2 to 2-in. cal. | 60.00 | |
| 10 to 15 ft., 2 to 2 1/2-in. cal. | 110.00 | |

| PAPER BIRCH | | |
|--------------------------|---------|----------|
| | Per 100 | Per 1000 |
| <i>Betula papyrifera</i> | | |
| 2 to 3 ft. | \$10.00 | \$ 80.00 |
| 3 to 4 ft. | 25.00 | 200.00 |
| 4 to 6 ft. | 40.00 | 300.00 |
| 6 to 8 ft. | 90.00 | |

| LINING-OUT STOCK | | |
|-----------------------|---------|----------|
| | Per 100 | Per 1000 |
| <i>Acer saccharum</i> | | |
| 2 to 3 ft. | 12.00 | 100.00 |
| 3 to 4 ft. | 30.00 | 250.00 |
| 4 to 6 ft. | 60.00 | 500.00 |

| CLUMP BIRCH | | |
|-----------------------------|--------|---------|
| | Per 10 | Per 100 |
| <i>Clethra alnifolia</i> | | |
| 6 to 18 ins. | 8.00 | 70.00 |
| <i>Ilex verticillata</i> | | |
| 1 to 2 ft. | 12.00 | 100.00 |
| <i>Viburnum acerifolium</i> | | |
| 6 to 18 ins. | 9.00 | 80.00 |
| <i>Viburnum cassinoides</i> | | |
| 1 to 2 ft. | 9.00 | 80.00 |
| <i>Viburnum dentatum</i> | | |
| 1 to 2 ft. | 8.00 | 70.00 |

| HEMLOCK SEEDLINGS | | |
|-------------------------|---------|----------|
| | Per 100 | Per 1000 |
| <i>Tsuga canadensis</i> | | |
| 6 to 9 ins. | 4.00 | 20.00 |
| 9 to 12 ins. | 6.00 | 45.00 |
| 12 to 18 ins. | 8.00 | 65.00 |

scattered through West Virginia. In connection with his direct-mail advertising, Mr. Conner recently purchased a mimeograph machine with an eye to turning out simpler pamphlets and bulletins at more frequent intervals.

In the retail service it offers, Conner & Amos, Inc., is one of those landscaping firms that believe in "staying on the ground." When a customer wants work done on his trees, Mr. Conner recommends a Charleston tree surgeon. By the same token, little time is spent in bidding for institutional and public jobs.

"We have plenty to do as it is," Mr. Conner declares. "The public is getting more adventurous about their grounds. We think we can keep busy with the homeowner who has \$150 and up to spend. That's the business we like."

BRAINARD FIRM CHANGE

Discontinuance of the greenhouse and nursery departments of the business that had been conducted as the Brainard Nursery & Seed Co., at Thompsonville, Mass., has been announced by Chester F. Brainard, proprietor. A part of the property on which the business had been operated has been sold for a real-estate development. The seed, bulb and garden departments of the former business will be moved to a location which Mr. Brainard retained south of the old site, and the firm will be continued under the name of the Brainard Seed Co. The greenhouses will be razed.

Besides its local trade, the Brainard Nursery & Seed Co. had carried on an extensive mail and shipping trade over much of western Massachusetts and Connecticut. Established 50 years ago by Mr. Brainard as the North-End Nursery, the business had expanded until it occupied six and one-half acres, with an office, warehouse, storage buildings and seven greenhouses, employing 25 to 30 persons.

SALE of the Lake Grove Garden Store & Nursery, Oswego, Ore., to Mr. and Mrs. Wayne Stroupe, Lake Grove, has been announced by Mr. and Mrs. Ray Larsen, former owners of the business.

ROBINSON & PARNHAM, Des Moines, Ia., recently completed a major addition to the company's facilities, according to Harold J. Parnham, owner and operator of the business. Warehouse and storage space were doubled, and a modern refrigerated storage space was constructed adjacent to the retail store.

BIG

We have one of the largest available supplies of big specimen material, including:

HYBRID RHODODENDRON

- TSUGA CANADENSIS
- GINKGO BILOBA
- AZALEA
- ILEX BUXIFOLIA
- ILEX OPACA
- TAXUS FASTIGIATA
- TAXUS REPANDENS
- TAXUS CUSPIDATA

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one of America's
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CHRISTMAS TREE

Seedlings—Transplants

Pine, Spruce and Fir

Colorado Blue Spruce, good color, 5 to 12 ins., 500 or more, only 6c each.

Write for our new spring prices now.

ECCLES NURSERIES

Box 65-A RIMERSBURG, PA.

ORDER NOW!

| | Per 100 | Per 1000 |
|--------------------------------------|---------|----------|
| BOSTON IVY | | |
| 2-yr., T., No. 1 | \$25.00 | \$200.00 |
| 2-yr., T., No. 2 | 17.50 | 150.00 |
| CORNUS FLORIDA , seedlings, | | |
| above grafting size | 15.00 | 125.00 |
| grafting and budding size | 6.00 | 45.00 |
| below grafting size | 4.00 | 25.00 |
| 2-yr., T., 18 to 24 ins. | 25.00 | 200.00 |
| 2-yr., T., 24 to 36 ins. | 45.00 | 350.00 |
| CYDONIA JAPONICA , seedlings, | | |
| 1-yr., 10 to 14 ins. | 5.00 | 40.00 |
| 1-yr., 15 to 21 ins. | 7.50 | 60.00 |

Free packing for cash with order.

BROUWER'S NURSERIES

BOX 25, NEW LONDON, CONN.

LINING-OUT STOCK

| | Per 100 | Per 1000 |
|---------------------------------|---------|----------|
| ILEX CRENATA | | |
| seedling-grown, 4-yr., XX, | | |
| field | \$50.00 | \$450.00 |
| seedling-grown, 3-yr., X, beds | 12.00 | 90.00 |
| ILEX CRENATA MICROPHYLLA | | |
| seedling-grown, 3-yr., X, beds | 12.00 | 90.00 |
| ILEX CRENATA CONVEXA | | |
| 2-yr., X, beds | 30.00 | 250.00 |
| PIERIS JAPONICA | | |
| 3-yr., XX | 45.00 | 420.00 |

Minimum mail order \$20.00.

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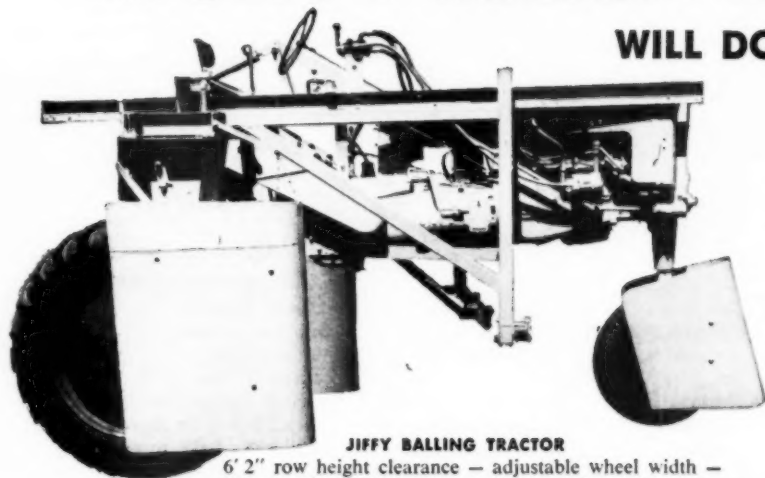
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GARDNER'S NURSERIES, Inc.
ROCKY HILL, CONN.

NO MATTER WHAT JOB YOU'RE PLANNING... THE **JIFFY NURSERY TRACTOR**

WILL DO IT...

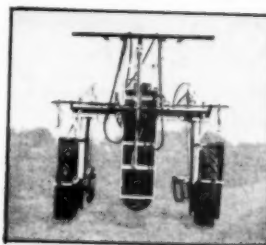
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AT LESS COST**



JIFFY BALLING TRACTOR

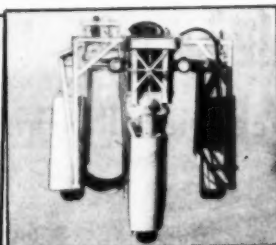
6' 2" row height clearance — adjustable wheel width — Minneapolis-Moline power unit — 5 forward speeds — hydraulically operated attachments — oversized tires for greater flotation — wheel shields to protect foliage.

Proven attachments for the **JIFFY NURSERY TRACTOR** give you an all-purpose unit. Now, do every nursery job — balling, undercutting, shrub digging, root pruning, cultivating, spraying and fertilizing with one machine!



JIFFY SPRAYER

Kromer-designed spraying unit — hydraulically raised 2, 4 or 6 row booms. Pump delivers 12 gallons per minute at 300 lbs. pressure. 230-gallon Finish "X" (non-corrosive) coated tank and booms — excellent for foliage feeding — PTO operated — no auxiliary engine to maintain.



JIFFY SHRUB DIGGER AND ROOT PRUNER

Dig or undercut all types and sizes of roots faster than a man can walk. Depth adjustable from 1" to 16" — hydraulically controlled by driver — 11, 14, 18 or 22" hardened steel self-cleaning and sharpening U-shaped blades.



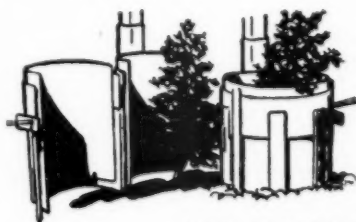
JIFFY CULTIVATOR

One or two row units — cultivate 6 ft. stock easily — hydraulically operated — rugged construction throughout.



JIFFY SELECTIVE UNDERCUTTER

Enables balling all nursery stock — pass over trees to select the one you want — digs bare root trees individually — creates a perfect ball every time — undercuts to any desired depth — operated hydraulically from driver's seat.



JIFFY BALLER

Ball 150-200 trees per hour — works in any soil — wet or dry — 8, 9, 10, 12 or 14" perfectly shaped balls. Rugged, heavyweight construction guarantees years of trouble-free operation. Over 3 years of successful field use.

JIFFY DEMONSTRATIONS

You've got to see it to believe it — and to make this possible, the **JIFFY BALLING COMPANY** has a complete unit touring the country on regular scheduled demonstrations. For information about when we'll be in your area, fill out and return the coupon today. If you desire, we'll put on a demonstration in your own field.

THE JIFFY BALLING CO.

LONG LAKE, MINNESOTA

12 Miles West of Minneapolis on U. S. 12

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January 16 to 18

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Please send me further information about the **Jiffy Nursery Tractor** and when you'll be in my area.

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CITY _____ STATE _____

PLANT NOTES HERE AND THERE

By C. W. Wood

Woodland Garden

Older readers will recall mention in this column of a woodland garden in which I spent many happy hours as a young man. I have recently had a rather extensive correspondence with the latest owner, a landscape architect, of the place and should like to use a few of his observations to point up the beauty and desirability of a woodland garden.

Unless one has had experience with these plantings, he is not likely to realize how little work it takes for upkeep. My correspondent's remarks: "We have been here for seven years, and I think that seven hours would cover upkeep labor on the woodland planting. We have made a few alterations, not because they were needed, but rather because we wanted to introduce some new material. I'll mention a few of the new plants later; now I want to stress the fact that gardeners who complain about the cost of maintaining a garden should investigate the possibilities of woodland plantings. I have read somewhere this sage advice of an experienced woodlander: 'One's first objective should be to discover not how much can be done, but how much can be left undone.' Our own experience here is that upkeep can be quite forgotten."

Ferns are, of course, a prominent feature of this area. It is unnecessary to go into details now on this phase, because a rather full account of hardy ferns is planned for a future issue. But it may be mentioned that the present owner has assembled a rather complete collection of the hardy varieties in North America. That, of course, would be an ideal place to study living plants of our native species, and I hope to avail myself of the opportunity next year.

"We cannot stress too strongly," he writes, "the great value of our hepatica for woodland planting. The former owner made a special effort to get all the good variations in this section and I have added many more, including the beauties that you sent me. Although we were tempted to add the European *Hepatica nobilis* or *Anemone hepatica*, because of the large size of flower in some forms, I am now glad that we kept it strictly American, for we have many forms whose flowers exceed an

inch, and that is almost as good as the best European varieties. We have found it a most fascinating hobby."

Although he has not stressed the fact in his correspondence or conversation, my correspondent has made special effort to get hold of the numerous variations to be found in the foamflower, *Tiarella cordifolia*. I spent a few hours in his woods last November and was surprised at the lovely leaf coloration of some kinds. One in particular, a bronze shade with purple marbling, looked like a lovely end paper in one of my old horticultural volumes. I suspect it is what the botanists call variety *marmorata*. The grower tells

me that he has it in pink, red and purple colors, in addition to the normal white.

He has also had a lot of fun with native violets, but that story is too long to be told at this time, though I hope to cover part of it later.

Dicranostigma Franchetianum

A request for information I have received concerns the Asiatic poppywort, *Dicranostigma franchetianum*. The inquirer asks if the plant is permanent and what are its cultural needs. It has been many years since I grew either it or its relative, *D. lac-tuoides*, and the available literature has little to say about the genus, except that it is "herbs from central

BOLLEANA POPLAR

Exceptionally fine trees.

| | Per 10 | Per 100 | Per 1000 |
|------------------------------|---------|----------|-----------|
| 4 to 5 ft. | \$ 5.50 | \$ 50.00 | \$ 450.00 |
| 5 to 6 ft. | 8.50 | 80.00 | 750.00 |
| 6 to 8 ft. | 14.00 | 125.00 | 1150.00 |
| 8 to 10 ft. | 16.50 | 150.00 | 1300.00 |
| 1 1/4 to 1 1/2-in. cal. | 19.00 | 175.00 | 1500.00 |
| 1 1/2 to 2-in. cal. | 22.50 | 200.00 | 1750.00 |

The Shenandoah Nurseries

(Lake's)

SHENANDOAH, IA.

Mention The American Nurseryman when you write.

POLYGONUM AUBERTI

Per 100 Per 1000

2-yr., No. 1 \$22.00 \$200.00
2-yr., medium 18.00 160.00

THE KALLAY BROS. CO.
PAINESVILLE, O.

Five Million

Red (Norway) Pine Seedlings

4 to 5 ins., 2-0, good quality.
For spring delivery, or may be carried to 3-0.

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Specializing in
**FRUIT TREE
 SEEDLINGS
 and
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 JOHN HOLMASON

**MYROBALAN
 MAZZARD
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 APPLE
 PEAR
 and QUINCE
 SEEDLINGS**

Present Owners: JOHN HOLMASON and MARTIN and J. P. HOLMASON

2244 N. Skidmore Court ★ Portland, Oregon

Dear Fellow Nurserymen:

I think that most everyone has heard of the severe freeze we had in Oregon and Washington the early part of November. It was the coldest for that time of year since 1879, so the weather reports stated. I hope that it will be another 77 years before a freeze like this one comes along again, and by that time we all hope to be in a better world anyway.

The freeze did much damage to most of the fall crops, but, from all reports, the nurserymen were hit the hardest of anyone. We consider ourselves fortunate that our losses were not so great as some of the nurserymen and farmers, as well as some of the orchard men. Some nurserymen lost practically everything they had, and it will take several years for them to get back where they were before the freeze struck so suddenly.

I think most of you nurserymen have known me for 30 years or more, and during this time we have gone through many hardships in one way or another. However, we were always able to keep going no matter how dark the future seemed to be, and the way God has blessed us with good health, a good business and a family we are very proud of is more than I deserve. To God, first, goes all my praise and thanks, and second to my good friends and customers. I am very grateful to all of you for your many favors shown to me from year to year.

My faithful wife, as many of you know, has carried on the office work for me these past 33 years, but we decided that the office responsibility should now be taken over by our son, Martin Holmason. We want to have a little relaxation for the few years we may have left. If it hadn't been for the help of my wife when the children were all small, I could not have made the grade. I never had an education, but I knew how to grow the seedlings in which we have specialized and she carried on the part that I could not do.

After the first of January, 1956, we want all the business letters, telegrams and long distance calls to go to the following address: Pacific Coast Nursery, Rt. 1, Box 114 B, Portland 9, Oregon. The new office phone number is Mayfair 13325 and Martin's home number is Mayfair 13262.

Our son J. P. Holmason takes care of our Washington branch and his address is Rt. 2, Sunnyside, Washington, phone 78002. Johnnie is very reliable and competent to carry on the nursery in Washington.

I consider myself most fortunate to have had my good wife and two sons to help me all this time. No matter how discouraging the business looked at times, they stood by me. There is no truer saying than this — United We Stand, Divided We Fall — but now my two sons are able to carry on the business just as good as I did, or better. They have grown up in the business and I consider them experts, especially in growing seedlings.

Martin, the oldest son, is pretty well known to all of you, and I am sure you will find him agreeable and capable to take care of any business you give us. Our aim will still be to please our customers to the best of our ability. While I will not be taking an active part in the business, I will still be one of the three partners.

Please pardon this long letter, and accept my sincere thanks to each one of you for your kindness to me and my wife, who joins me in wishing everyone a Happy and Prosperous New Year.

Your Friend,
 Uncle John Holmason

P. S. My sons plan to be at the Chicago meeting.

BUY NOW AND SAVE LARGE SHRUBS

SPECIAL PRICES FOR DELIVERY IN
DECEMBER AND JANUARY ONLY

Fresh Dug

Prices F.O.B. Monroe, Mich.

Shipped Promptly

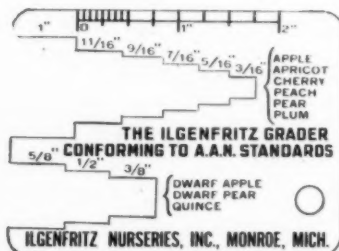
All stock subject to prior sale.

Cash with order earns 5% discount.

| | Each 10 to 99 | Each 100 and up | | Each 10 to 99 | Each 100 and up |
|-----------------------------------|------------------|-----------------------|--|------------------|-----------------------|
| Japanese Quince | | | Philadelphus coronarius | | |
| 1 1/2 to 2 ft. | \$0.40 | \$0.30 | (Sweet Mock Orange) | | |
| 2 to 3 ft. | .45 | .40 | 2 to 3 ft. | \$0.42 | \$0.35 |
| Cornus amomum | | | 3 to 4 ft. | .56 | .45 |
| 1 1/2 to 2 ft. | .33 | .28 | Rhamnus frangula | | |
| 2 to 3 ft. | .43 | .38 | (Glossy Buckthorn) | | |
| Cotoneaster foveolata | | | 2 to 3 ft. | .42 | .35 |
| (Glossy Cotoneaster) | | | 3 to 4 ft. | .56 | .45 |
| 2 to 3 ft. | .55 | .42 | Rhamnus saxatilis | | |
| 3 to 4 ft. | .68 | .53 | A new introduction of special hardiness. | | |
| Deutzia Pride of Rochester | | | One of the best Buckthorns. | | |
| 2 to 3 ft. | .45 | .35 | 2 to 3 ft. | .42 | .35 |
| 3 to 4 ft. | .62 | .50 | 3 to 4 ft. | .56 | .45 |
| 4 to 5 ft. | .85 | .70 | Symphoricarpos albus | | |
| Euonymus europaeus, | | | (Snowberry) | | |
| scarlet berries | | | 2 to 3 ft. | .38 | .32 |
| 2 to 3 ft. | .45 | .35 | 3 to 4 ft. | .52 | .42 |
| Lonicera morrowi | | | Symphoricarpos chenaultii | | |
| (Morrow Honeysuckle) | | | 2 to 3 ft. | .48 | .30 |
| 3 to 4 ft. | .56 | .45 | Symphoricarpos orbiculatus | | |
| Lonicera tatarica | | | (Indian Currant) | | |
| (Pink Honeysuckle) | | | 2 to 3 ft. | .34 | .28 |
| 2 to 3 ft. | .42 | .35 | Viburnum lantana | | |
| 3 to 4 ft. | .56 | .45 | (Wayfaring Tree) | | |
| | | | 2 to 3 ft. | .54 | .48 |
| | | | 3 to 4 ft. | .70 | .60 |

ILGENFRITZ
TREE GRADER

\$2.25 net



ILGENFRITZ NURSERIES, INC.

The Monroe Nursery, MONROE, MICH.

Phones: MONROE, CHerry 1-6100 — DETROIT, WOODward 3-3244

TAXUS CUSPIDATA

12 to 15 ins., TT.
15 to 18 ins., TT.
18 to 24 ins., TT.
24 to 30 ins., TTT.

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GLENDALE, Hamilton Co., OHIO



EVERGREENS

Growers of Quality Evergreens
Lining-out Stock a Specialty

Write for Trade List

EVERGREEN NURSERY CO.

Established 1864 : STURGEON BAY, WIS.

CORKSCREW TREE

(Salix Matsudana Tortuosa)

Contorted Hankow Willow or Corkscrew Tree.
Very odd appearing horticultural curiosity.
Branches grow upright with a corkscrew twist.
Compact growing large shrub or small tree.
Ultimate height 12 to 15 ft.
Small trees approximately 4 to 5 ft., \$2.50 each.

BEARDSLEE NURSERY PERRY, O.

Asia"; so I shall have to depend upon memory.

As I remember them now, they had pretty blue-green, much-divided leaves and foot-tall or taller stems bearing inch-wide, satiny poppy-worts, deep yellow or orange in color, according to species, in summer. I do not now remember which should be orange and which yellow, that they were short-lived—so short in fact that I thought of them as biennials. I have just referred to Kindon-Ward's Field Notes and find in one brief reference that he says our plant is a "superperennial with a root stock a quarter of a century old." It may be that neither species (Hortus refers *D. franchetianum* to China) is hardy enough for our coldest winters in northern Michigan. Both grew well in open, sandy soil in sunshine.

Dianthus Painted Lady

A New Jersey reader asks a source of supply for the old-time pink, Painted Lady. I regret that I cannot give the information and doubt if the variety is any longer in existence. The inquiry gives me the opportunity, however, to record a fact or two that I learned about the plant in my long search for it.

The origin of Painted Lady is lost in the mists of bygone days. The first reference that I found to it was in Stephen Blake's record in 1664, along with many other oldsters, including Old Man's Head, Fair Maid of Kent and the Widow, most of which are now merely names. By the middle of the 18th century, the variety seems to have become generally popular. In our own time, many pinks that look as if they had been dipped in a paint pot have been offered under the name, but never the real thing in this country, so far as my knowledge goes. That judgment is based on the descriptions of the flower by some of the old writers (a ground color of creamy rose, streaked and spotted with deep pink) and from the few modern illustrations (Allwood Bros.' catalog) that I have seen. Despite the fact that old writers always called it a pink, the Allwood illustration causes the experienced dianthus student to think that the plant carried much carnation blood. Be that as it may, Painted Lady is an elusive lady who would surely repay the search needed to resurrect her from some old garden, where she may be lurking. Incidentally, if you are looking for



You'll move dirt faster with the greater traction of the new 300 Utility, shown here with heavy-duty front-mounted loader and Fast-Hitch rear-mounted backfill and leveling blade.

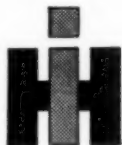
BUILT-IN STAMINA

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...NEW INTERNATIONAL® 300 UTILITY

Stronger front axle, heavier chassis, more rugged power train—the new International 300 Utility leads the field with up to 1,000 pounds greater built-in weight for strength and stamina! The result is unsurpassed traction for heavy-duty grading and leveling—rugged strength to stand up under heavy-duty loader operation with a half-yard bucket.

10 speeds forward with optional Torque Amplifier drive—change tractor speed *on the go* in any gear without stopping to shift! Travel between jobs at speeds up to 16.8 mph.



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Endless utility. Here's the 300 Utility loading black dirt with McCormick® loader. Fast-Hitch platform carrier hauls up to 1,200 pounds of nursery stock, fertilizer, or other supplies. There's a full line of cultivators, plows, and other tillage equipment.

SEE YOUR INTERNATIONAL HARVESTER DEALER

International Harvester products pay for themselves in use—McCormick Farm Equipment and Farmall Tractors . . . Motor Trucks . . . Crawler and Utility Tractors and Power Units—General Office, Chicago 1, Illinois

TOP-QUALITY SHRUBS

For Garden Center Sales and Landscape Use

BERBERIS JULIANAE

(Wintergreen Barberry)

| | Each 10 to 49 | Each 50 and up |
|--------------------|------------------|-------------------|
| 18 to 24 ins., B&B | \$2.50 | \$2.25 |
| 2 to 2½ ft., B&B | 3.75 | 3.35 |
| 2½ to 3 ft., B&B | 5.00 | 4.50 |

BERBERIS MENTORENSIS

(Mentor Barberry)

| | | |
|--------------------------|------|------|
| 18 to 24 ins., bare-root | .75 | .68 |
| 18 to 24 ins., B&B | 1.15 | 1.00 |
| 2 to 2½ ft., bare-root | 1.25 | .90 |
| 2 to 2½ ft., B&B | 1.75 | 1.55 |
| 2½ to 3 ft., B&B | 2.50 | 2.25 |

BERBERIS ATROPURPUREA NANA

(Crimson Pygmy Barberry)

| | | |
|--------------------|------|------|
| 12 to 15 ins., B&B | 1.75 | 1.50 |
| 15 to 18 ins., B&B | 2.25 | 2.00 |
| 18 to 24 ins., B&B | 3.25 | 3.00 |

EUONYMUS ALATUS COMPACTUS

(Compact Winged Euonymus)

| | | |
|------------------------|------|------|
| 2 to 2½ ft., bare-root | 1.15 | 1.00 |
| 2 to 2½ ft., B&B | 1.65 | 1.50 |
| 2½ to 3 ft., bare-root | 1.50 | 1.35 |
| 2½ to 3 ft., B&B | 2.00 | 1.65 |

EUONYMUS RADICANS ERECTA

(Shrub Winter Creeper)

| | | |
|--------------------------|------|------|
| 18 to 24 ins., bare-root | 1.15 | 1.00 |
| 18 to 24 ins., B&B | 1.65 | 1.50 |
| 2 to 2½ ft., B&B | 2.25 | 2.00 |

HAMAMELIS VERNALIS

(Vernal Witch Hazel)

| | | |
|------------------------|------|------|
| 2½ to 3 ft., bare-root | 1.25 | 1.10 |
| 2½ to 3 ft., B&B | 1.75 | 1.60 |
| 3 to 3½ ft., bare-root | 1.75 | 1.60 |
| 3 to 3½ ft., B&B | 2.50 | 2.25 |

MAHONIA AQUIFOLIUM

(Oregon Grape)

| | | |
|------------------|------|------|
| 2 to 2½ ft., B&B | 4.00 | 3.60 |
| 2½ to 3 ft., B&B | 4.75 | 4.25 |

All plants shipped F.O.B. Dayton, O. Order your supply early.

THE SIEBENTHALER CO.

3001 Catalpa Dr.

DAYTON 5, O.

Hydrangea P. G.

Hydrangea P. G. (Tree Form)

Ornamental Trees

Grapevines, 1-gr.

Thorne Brewster

WILLOWBEND NURSERY

PERRY, O.

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Our General Line of

SMALL FRUIT PLANTS

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FOR

HARDY PLANTS

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Wayside  Gardens

NURSERYMEN!

Write for our new wholesale price list and send us your want lists for special quotations. We have a good supply of many items and can quote attractive prices.

CHAMPION NURSERIES
PERRY, O.

an inexpensive, absorbing hobby that can occupy your attention throughout the year (spring, summer and autumn with the plants and winter with their voluminous literature) try pinks.

Rosa Spinosissima Hispidia

The present interest in rose species will have done American horticulture a good turn if it does no more than direct attention to the form of the Scotch or burnet rose known as hispidia, inquired about by a Kentucky reader. When any plant can show that it is hardy and vigorous, which means that it is easy for the amateur gardener to handle; that it is decorative over a long period, and that it is not a pest, that plant deserves the careful consideration of garden makers. This rose is all the foregoing and even more. It is a little taller than type spinosissima, growing five or six feet taller under good culture, and is clothed in pretty, bright green leaves, made up of five to 11 leaflets. In late May or early June and all through the latter month, it decorates itself with clear, light yellow roses as much as three inches across and shows how beautiful a species rose can be. Then again in autumn, when the leaves take on the vivid hues for which the plant is noted, it also shows how lovely fall foliage can be. In addition to all this, the stems are thickly set with reddish-brown bristles, making it an ornament at all seasons. Give the plant a poor, dry soil for best autumn effects, and such soil conditions are not out of line for all burnet roses. I should expect our Kentucky correspondent to find the plant a good seller, after he gets it in his show garden.

Penstemons as Cut Flowers

A recent inquiry on the cut flower possibilities of our eastern beard-tongue, Penstemon digitalis, started a train of thought in my mind with the following conclusions: As ordinarily seen, this species has just enough purple on the white background to give it a dirty appearance. If that blemish could be bred out of it, the plant could well fill a role in cut flower work. It has been suggested that it could be used as one parent in the breeding of a good strain of hardy hybrids for cut flower purposes to replace the tender ones which have emerged from the Mexican species, P. hartwegi, P. campanulatus, P. pulchellus and perhaps others. As a suggestion, it appears from a rather wide acquaintance with P. cobaea, a hardy species with a range extending as far north

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IDEAL
Handy

PLANT SUPPORTS

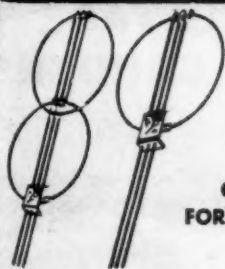
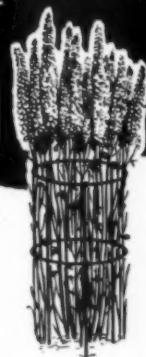
Keep Plants
up off groundHelp plants grow
strong & productiveProtect plants
from wind - stormIDEAL
*Handy***PEONY**
SUPPORTS

Model
533E
33" High
2 Loops



Model
531E
31" High
1 Loop

HANDY PEONY SUPPORT is a must wherever peonies are grown . . . They should be shown early as they not only protect the stems of the flowers in bloom but also keep off the stray feet of the youngsters and pets and protect the early shoots. May be used later in season for clumps of phlox or 'Mums, etc.

ALL *Handy* SUPPORTS ARE....UP IN
A JIFFYCOLLAPSIBLE
FOR EASY STORAGEIDEAL
*Handy***DELPHINIUM**
SUPPORTMODEL
543 - 14EJUST WHAT
THE TRADE
HAS ASKED FOR...Has three 43 inch
Sturdy Steel Stakes
Two 14" Loops

Finished in Garden Green Enamel

IDEAL
*Handy***TOMATO**
SUPPORTModel
543 - 9EHas three 43"
Heavy Metal Stakes,
Two 9 inch loops.

Put around the plants early. Heavy stems protruding may be tied to support as plant nears production growth - Extra stake furnished to support the early growth.

Bright green enamel finish.

OTHER IDEAL GARDEN GADGETS

C-L Plant Stakes • Flag - Swing - Duplex Label Markers • Midget Fence • Handy
Hose Holder • Handy Lawn Guard • Handy Row Marker.

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Garden Gadget
Folder Today

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Dept. AN56 919 CLARK ROAD - LANSING 17, MICHIGAN

NEWPORT OFFERS

Beautybush-Kolkwitzia

Graceful branches, pink flowers.

| | Per 100 | Per 1000 |
|-----------------------|---------|----------|
| 6 to 9 ins., S..... | \$10.00 | \$ 85.00 |
| 9 to 12 ins., S..... | 15.00 | 125.00 |
| 9 to 12 ins., T..... | 17.50 | 150.00 |
| 12 to 18 ins., T..... | 22.50 | 200.00 |

Washington Hawthorn

(Crataegus phaenopyrum)

Red berries all winter.

| | | |
|------------------------|-------|--------|
| 6 to 9 ins., S..... | 7.50 | 65.00 |
| 9 to 12 ins., R.P.... | 15.00 | 125.00 |
| 12 to 18 ins., R.P.... | 22.50 | 200.00 |

Europ. Mountain Ash

(Sorbus aucuparia)

Loads of orange berries.

| | | |
|-----------------------|------|-------|
| 6 to 12 ins., S. | 6.50 | 55.00 |
|-----------------------|------|-------|

Spreading Cotoneaster

(Cotoneaster divaricata)

Rich, shiny foliage; red berries.

| | | |
|------------------------|-------|--------|
| 6 to 12 ins., S. | 10.00 | 85.00 |
| 6 to 12 ins., T..... | 12.50 | 100.00 |
| 12 to 18 ins., T. | 20.00 | 175.00 |

White Kerria—Jetbead

(Rhodotypos scandens)

Light green foliage;

jet-black berries.

| | | |
|------------------------|-------|-------|
| 6 to 12 ins., S. | 7.50 | 65.00 |
| 12 to 18 ins., S. | 10.00 | 85.00 |

Flowering Dogwood

(Cornus florida)

| | | |
|------------------------|-------|--------|
| 18 to 24 ins., R.P.... | 15.00 | 125.00 |
| 2 to 3 ft., R.P..... | 20.00 | 175.00 |

Red Barberry

Out-of-state customers need U.S.D.A. permit.

| | | |
|-----------------------|------|-------|
| 6 to 9 ins., S. | 6.00 | 45.00 |
| 9 to 12 ins., S. | 7.50 | 65.00 |

Viburnum lantana

Foliage of heavy texture.

| | | |
|------------------------|-------|--------|
| 12 to 18 ins., S. | 15.00 | 125.00 |
| 18 to 24 ins., T. | 20.00 | 175.00 |

Viburnum sieboldi

Glossy leaves, large red berries.

| | | |
|----------------------|-------|-------|
| 6 to 9 ins., S. | 10.00 | 85.00 |
|----------------------|-------|-------|

Viburnum tomentosum

Large white flowers, red fruit, horizontal branches.

| | | |
|-----------------------|-------|-------|
| 6 to 12 ins., S. | 10.00 | 85.00 |
|-----------------------|-------|-------|

**NEWPORT
NURSERY CO.**
NEWPORT, MICH.

as Nebraska, that it should receive consideration as another parent in the proposed cross. The latter, although much shorter in stature (never over two feet tall, as it grew here, while *P. digitalis* may get up to five or six feet in the rich moist soil that it likes), has the advantage of having a very large flower, a trait that has been transmitted to many of its children in the tender hybrids now in existence. Like *P. digitalis*, its color is not of the best, though, it, too, could be much improved.

Several species from the west are definitely valuable in breeding good cut flower penstemons. Of these, the tall form of *P. subglaber* from Idaho, or at least what passes under that banner in gardens, is especially good, according to experience here several years ago. With it used as the seed parent, the little-known *P. johnsoni* supplying the pollen, the seedlings showed a rather wide range of colors, varying from white through pink, blue with pinkish overcast and the charm of many of the borage worts and a myriad shades of blue to near purple, mostly with the large flowers of the seed parent and the 2 to 3-foot stems of both parents. Further selection, had we had time, should have produced a really good strain of cut flower penstemons. Best of all, though, it suggested the possibilities if and when a comprehensive effort is made to combine the good points of other hardy species with a tendency to a life span of more than two or three years.

Although there are many monocarpic species in the genus (a majority of the species, except the woody ones, from the Rocky mountains and westward seldom persisted beyond the first season of heavy flower production), some are quite long-lived in the garden if correctly handled. The first requirement of most westerners is perfect drainage and the second, especially in kinds with a tendency toward long life by means of stooling out, is frequent division. In our trials, we divided *P. subglaber* and its children every other year and found that they were really permanent under that treatment.

Hypericum Bucklei

Despite what the books say about the tenderness to cold of the southern St.-John's-wort, *Hypericum bucklei* (as in *Hortus*, which says "to be planted far south"), I am of the opinion that my Indiana correspondent will find it hardy with him, especially if he gets his material from the mountains of North Carolina. I had

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EVERBEARING
PLANT PAT. No. 993 ®

We have the sales help you need to sell and profit from this popular everbearing strawberry. Write today for complete information on Pack-Out, Bulk shipment and over-the-counter packages. A complete line of strawberry and perennial plants.

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Catalog...

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WHOLESALE NURSERIES
BRISTOL, INDIANA

**LINING-OUT and
FINISHED STOCK**

Ask for List

**THE
COTTAGE
GARDENS**

Our 31st Year

Nick I. W. Kriek—Harold E. Hicks
LANSING 17, MICH.

Mention The American Nurseryman when you write.

TEUCRIUM CHAMAEDRYIS

| | Per 100 | Per 1000 |
|------------------------------------|---------|----------|
| Top size | \$18.00 | \$150.00 |
| Medium grade | 12.00 | 100.00 |
| Well-rooted cuttings, spring, 1956 | 5.00 | 45.00 |

BEARDSLEE NURSERY
PERRY, O.

Scarff's Nursery

FRUITS
ORNAMENTALS
LINING-OUT STOCK

Send for Complete Trade List.
NEW CARLISLE, O.

it in the open several years without winter losses and only finally lost it entirely during the severe winter of 1934-35, when the thermometer went to 40 degrees below zero on one occasion and was in the 20's for days at a time. That experience encourages me to tell our Indiana friend that he is on the right track to a beautiful little plant for his climate.

It is a lovely thing from the time the leaves unfurl in spring until they are discarded in autumn, and it is particularly striking in fall after frosts have turned the leaves to a brilliant scarlet. The plant, a subshrub, is seldom over 8 or 10 inches tall, with the pretty yellow tassels, for which the genus is noted, from the middle of June until August. It may be grown from seeds, when available, and from greenwood cuttings under glass in summer.

Jamesia

While looking for my foregoing notes on the St.-John's-wort, I came upon one on the saxifrage cousin, Jamesia, which may be of interest to some seekers after the unusual. It was under test here at the same time as the hypericum, but it came through that severe winter unscathed. I do not remember now what became of it, but I do know that it is no longer with us. The note which I found on it is dated 1932 and reads as follows:

Jamesia americana (Edwinia americana, according to some) is a little-known member of the saxifrage family from the Rocky mountain region, from Wyoming to New Mexico. It has been with us only three years and is not yet at its best, but I can see that it has many things to recommend itself to eastern gardeners. It has velvety, crinkled leaves, glabrous above and whitish below, with fragrant, white flowers in clusters in late spring. Although it is said to grow to four feet in height, our plants, the gift of D. M. Andrews, Boulder, Colo., are not yet more than half that tall. It is said to come quite readily from fall-sown seeds and from cuttings of ripe wood.

MINNESOTA MEETING

[Continued from page 10]

cally and mentally qualified for the job, and the prospective employee should be investigated thoroughly.

The peaks and valleys in nursery employment need to be ironed out, he believes, for it is costly to break in new men. Nurserymen are competing with industry, he said, so it is necessary to offer fringe benefits. These are also necessary if the

NEW SUB-ZERO EVERGREEN IVY

Special Strain Stands 20° Below Zero

THESE SUB-ZERO ENGLISH IVIES (*Hedera Helix*), with their glossy evergreen leaves, are the descendants of a remarkably hardy parent plant which has withstood 28 Chicago winters without protection.

THORNDALE IVIES are strong, vigorous growers. Excellent climbers and equally wonderful ground cover plants. Clean, compact, easy to handle, they are profitably sold through garden centers and mail-order catalogs either as evergreen climbing vines or ground covers for shady or sunny places.

Nationally Advertised Retail Prices:

| | |
|--------------|----------------|
| 6 for \$4.50 | 25 for \$15.00 |
| 12 for 8.50 | 100 for 60.00 |

WHOLESALE PRICES

\$25.00 per 100 in lots of 250 or more
\$30.00 per 100 in lots of 50 or less than 250



POT-GROWN QUALITY

This strong plant is ready to branch out and develop into a bushy specimen. Vigorous, fibrous root system eliminates transplanting losses. **THORNDALE IVIES** are grown in outdoor beds in a rugged climate for hardiness and toleration of temperature extremes.

STRONG, HEALTHY PLANTS from 2½-inch rose pots or 2-inch bands. Orders are booked and shipped according to date received. Terms are cash with order unless credit has been established. All prices F.O.B. Woodstock, Ill. Write to Thorndale Farm Nursery, Woodstock, Ill.

Please order early because stock is not any too plentiful and a good share has already been sold to many of last year's customers who have re-ordered much larger quantities for spring delivery.

• Send for Thorndale Planting Guide. Free!

Thorndale FARM
WOODSTOCK • ILLINOIS

Growers of Thorndale Ivies and other hardy vines and ground cover plants.

PLANT PROPAGATION PRACTICES, by James S. Wells. Detailed procedures for propagating selected plants. **\$7.50.** American Nurseryman, Chicago 4, Ill.

WANTED

Can you supply 2 million to 5 million Meyer Zoysia plugs?

These will be needed between April 15 and September 15. Must be grown in fumigated and sterilized soil. Please quote lowest possible price per 1 million.

Address replies to Box 252, care of American Nurseryman.

FOR SPRING, 1956

| | |
|----------------------------------|--------|
| Euonymus alatus | |
| 24 to 30 ins., B.R. | \$1.00 |
| 24 to 30 ins., B&B | 1.50 |
| 30 to 36 ins., B.R. | 1.50 |
| 30 to 36 ins., B&B | 2.00 |
| Euonymus alatus compactus | |
| 18 to 24 ins., B.R. | 1.15 |
| 18 to 24 ins., B&B | 1.50 |
| 24 to 30 ins., B.R. | 1.40 |
| 24 to 30 ins., B&B | 1.75 |
| Euonymus carrierei erecta | |
| 12 to 15 ins., B.R. | .35 |
| 12 to 15 ins., B&B | .60 |
| 15 to 18 ins., B.R. | .50 |
| 15 to 18 ins., B&B | .75 |

WADE & GATTON NURSERIES
BELLVILLE, O.



Hardy Northern-Grown Stock at WHOLESALE

JEWELL NURSERIES, Inc.

Write for Price List.

Box 457, LAKE CITY, MINN.

employer cannot arrange full-time employment.

Credit

Cullie Wiles, of the Minneapolis Retail Credit Association, presented his views on credit. Today, he said, credit is considered a necessity and not a convenience. Businessmen have to get rid of their merchandise, if not for cash, then through use of credit. A business granting credit should belong to a credit bureau, he said, and should have a preferred list for granting credit.

There are all kinds of credit plans which can be employed, he said. Have a good application blank for establishing credit, he declared, and the problem is half licked. At this time of the year, he warned, be careful not to accept bad checks.

Concluding the management round table was a short talk by Cecil Shirk, of the Minneapolis better business bureau. He pointed out that the flower-loving public is slow to complain about poor merchandise if the price of the item is low. Also, if the fraud takes place over a long period, from fall to spring, the customer does not complain readily. There is an increasing use of the money-back guarantee, he pointed out, for people will not wear themselves out taking back merchandise.

Committee Reports

Tuesday morning the various committee chairmen presented their reports. As a result of the report of Richard Andrews, Andrews Nursery Co., Faribault, chairman of the committee to cooperate with the University of Minnesota on new introductions, a motion was passed to set up a committee which would serve as the board of directors for a corporation to handle new fruit introductions. One of the seven directors would go off the board each year. The incorporating expenses would be covered by the state association. It was pointed out that this corporation would be similar to one formed in Iowa. The board of directors

Our best wishes to you
for your continued success
through all of 1956.

MATTHEWS NURSERY
HARBOR SPRINGS, MICH.

"CRIMSON PYGMY" DWARF RED BARBERRY

Place your order now for spring, 1956.

| | 10 rate | 100 rate | 1000 rate |
|------------------------------------|------------|------------|----------------|
| L.O. size from 2 1/4-in. pots..... | \$0.35 ea. | \$0.25 ea. | \$0.22 1/2 ea. |
| 2-yr., field plants | .75 ea. | .60 ea. | .50 ea. |

THE COTTAGE GARDENS LANSING 17, MICH.

ARBORVITAE

Pyramidalis in sizes

From 2 to 4 ft.

Siberians in sizes

From 1 1/2 to 2 1/2 ft.

Excellent stock in quantity.

Let us quote you on your needs.

FILLMORE COUNTY NURSERY
CANTON, MINN.

CORNUS FLORIDA

(White-flowering Dogwood)

Spring, 1956

| | |
|---------------------------|---------|
| 4 to 5 ft., medium | \$ 2.50 |
| 4 to 5 ft., heavy | 3.75 |
| 5 to 6 ft., medium | 3.00 |
| 5 to 6 ft., heavy | 5.50 |
| 6 to 7 ft., medium | 4.00 |
| 6 to 7 ft., heavy | 6.50 |
| 7 to 8 ft., medium | 6.00 |
| 7 to 8 ft., heavy | 9.00 |
| 8 to 10 ft., medium | 9.00 |
| 8 to 10 ft., heavy | 18.00 |

Larger sizes to specifications up to \$100.00.

WADE & GATTON NURSERIES
BELLVILLE, O.

accepted the nominations of W. A. Coupanger, Elmore Nursery, Elmore; Richard Andrews; Harold Reid; Frank Siefert, Summit Nurseries, Stillwater; William Elling, Elling Nursery Co., St. Paul; Gordon Bailey, and Harry Francis to serve on the committee to form the corporation and serve as the first board of directors.

Reporting for the research committee, Ken Law, J. V. Bailey Nurseries, said the Twin City Nursery Association research committee and that of the Minnesota State Nurserymen's Association met with University of Minnesota officials and discussed the most important research subjects to be undertaken by the university. Mr. Law said the committee plans to increase the student training program and advised that the course should include business accounting and salesmanship. A motion was passed that the research committee be continued for another year.

"Plant Minnesota" Program

W. A. Coupanger, reporting for the "Plant Minnesota" program committee, stated that the state nurseries and "Plant Minnesota" program are not compatible. He said that nurserymen are not getting enough farm business, such as tree sales for windbreaks and orchards. Mr. Coupanger reported that he was going to discuss the problem with George Selke, commissioner of conservation. Dr. Leon Snyder, head of the department of horticulture, University of Minnesota, added that money is needed to promote the "Plant Minnesota" program, but no success has been achieved with the present state administration.

State Fruit Farm

Last fall, reported Dr. Snyder, the fruit breeding farm, near Excelsior, announced the introduction of number 206 gooseberry. He added that stock should be available by the spring of 1957. This gooseberry is an early maturing variety, without thorns, having red fruit. Another variety, 183, is a more upright type, he said, is free of mildew and produces large, yellow fruit, ripening about two weeks after 206. The raspberry program has moved into high gear, and it is hoped to have some promising varieties next year. There are many promising strawberry varieties, he added, but tests are needed on these.

Ted Wier, superintendent of the farm, provided some additional information about the fruit breeding farm. He related that the first farm

4 New VIBURNUMS

available in quantity for
GARDEN CENTER and Landscape Profits

If you already sell Viburnums in your garden center, you will appreciate this announcement as a fine opportunity for additional business. Now—for the first time in this country—these four new varieties are available in quantity.

In case your garden center has not previously stocked and featured Viburnums, this is your opportunity to start with sure-fire sales values.

You will please many old and new customers by offering these fragrant shrubs at attractive prices.

VIBURNUM BURKWOODI (Breath of Spring)

| | Each 10 to 49 | Each 50 and up |
|------------------|------------------|-------------------|
| 2 to 2½ ft., B&B | \$2.00 | \$1.85 |
| 2½ to 3 ft., B&B | 2.75 | 2.50 |
| 3 to 4 ft., B&B | 4.50 | 4.00 |

VIBURNUM CARLESI (Korean Spice)

| | | |
|-----------------------|------|------|
| 18 to 24 ins., potted | 2.75 | 2.50 |
| 2 to 2½ ft., B&B | 3.75 | 3.35 |
| 2½ to 3 ft., B&B | 5.50 | 5.00 |

VIBURNUM CHENAULTI (Chenault Viburnum)

| | | |
|------------------|------|------|
| 2 to 2½ ft., B&B | 2.25 | 2.00 |
| 2½ to 3 ft., B&B | 3.00 | 2.75 |
| 3 to 4 ft., B&B | 5.00 | 4.50 |

VIBURNUM JUDDI (Improved Carlesii)

| | | |
|--------------------|------|------|
| 18 to 24 ins., B&B | 2.75 | 2.50 |
| 2 to 2½ ft., B&B | 3.75 | 3.35 |
| 2½ to 3 ft., B&B | 5.50 | 5.00 |

All plants shipped F.O.B. Dayton, O. Each plant wears a beautiful full-color identification tag.

Order your supply early.

THE SIEBENTHALER CO.

3001 Catalpa Dr.

DAYTON 5, O.

COMPLETE ASSORTMENT OF

Evergreens, Fruit Trees, Shade
Trees, Roses and Lining-out Stock.

Write for complete list.

ONARGA NURSERY CO.
ONARGA, ILL.

LINING-OUT STOCK

Heavy well-grown potted plants.
Suitable for field planting.

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THE *Hollandia*
Gardens

SOUTH VIENNA, O.

GRAFTS For Spring, 1956

Junipers Each 40c
Grafted on Red Cedar understock.

| | |
|------------|------------|
| Blue Haven | Keteleeri |
| Burki | Pathfinder |
| Canaerti | Sneedi |
| Dundee | Welchi |

Arizona Cypress, Gareii, blue or green.
Grafted on arborvitae,
also 40c each.

No orders for less than 100 grafts.

B&B EVERGREENS

Come and make your own selections.

| | Each |
|---|------------|
| Brewers Hybrid, 24 to 30 ins. | \$2.00 |
| 30 to 36 ins. | 2.25 |
| Pfitzer, blue or green, | |
| 18 to 24 ins. | 2.25 |
| 24 to 30 ins. | 2.75 |
| Berckmans Arborvitae, | |
| 24 to 30 ins. | 2.00 |
| 30 to 36 ins. | 2.25 |
| Excelsa Arborvitae, 30 to 36 ins. | 2.00 |
| 36 to 42 ins. | 2.25 |
| Spiny Greek Juniper, 24 ins. | 2.00 |
| Upright Junipers, 4 to 5 ft. | 4.00 |
| Burki | Keteleeri |
| Blue Haven | Pathfinder |
| Canaerti | Sneedi |
| Dundee | Welchi |
| Arizona Cypress, green, 4 to 5 ft. | 4.00 |
| Arizona Cypress, Gareii, | |
| blue, 5 to 6 ft. | 4.00 |

SEEDLINGS

| | |
|--|------------|
| Chinese Elm, 1-yr. | Per 1000 |
| 6 to 12 ins. | \$10.00 |
| 12 to 18 ins. | 18.00 |
| 18 to 24 ins. | 25.00 |
| 2 to 3 ft. | 35.00 |
| Chinese Arborvitae, 2 to 4 ins., | |
| 1-yr. | 20.00 |
| Austrian Pine, 2 to 4 ins. | (Sold out) |
| Scotch Pine, 2 to 4 ins. | (Sold out) |
| Juniperus Scopulorum, 2-yr., | Per 100 |
| 10 to 12 ins. | \$5.00 |
| 12 to 18 ins. | (Sold out) |
| Juniperus Scopulorum | |
| 1-yr., in 2 1/4-in. rose pots, 25c ea. | |
| Minimum order 100. | |
| Spiraea vanhouttei | Per 100 |
| 18 to 24 ins. | \$25.00 |
| 2 to 3 ft. | 30.00 |
| Cydonia japonica, red | |
| 18 to 24 ins. | 25.00 |
| 2 to 3 ft. | 35.00 |
| 30 at 100 rate | |

M. MEYER NURSERY

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WICHITA 15, KAN.
Phone: Jackson 43413

was established in 1907, and the current property is approximately 224 acres. The farm, he said, is operated to produce varieties that can be grown successfully in Minnesota. So far, 64 different varieties have been introduced, and the speaker said he believes that the corporation which is being set up will facilitate the introduction of new varieties.

A. A. N. Activities

Vincent Bailey, A. A. N. director from region IV, called on Curtis Porterfield, A. A. N. secretary, Washington, D. C., to report on activities of the association, after the luncheon on Tuesday. Mr. Porterfield related that a progress report was to be mailed to all association members shortly after the middle part of December and, in addition, to 700 preferred prospects, with an application blank for membership. He related that the group insurance program has paid out more than \$100,000 in claims. Currently, he said, 200 firms are participating, and 1,200 persons are covered by the group insurance.

Mr. Porterfield said it is a mistake for state associations to try to run a "Plant State" program. Civic organizations, bankers and other businesses should be sold on the program and run it.

The A. A. N. is concerned with false advertising in the industry, said Mr. Porterfield. The middle part of December a set of fair trade practice rules was to be sent to the trade, he reported, to obtain nurserymen's reactions. Two public hearings will be held in January—one in Washington, D. C., January 9, and one in Chicago, January 19. The rules will then be published and will become binding on all nurserymen.

Russell Zakariasen, Homedale Nursery, Hopkins, Minn., was elected delegate to the A. A. N. convention at Los Angeles, Calif., with President Bailey authorized to appoint a second delegate if Minnesota qualifies. Charles Hawkins was elected alternate delegate.

Mum Introductions

The final session of the convention, Tuesday afternoon, was turned over to the department of horticulture of the University of Minnesota, St. Paul. Robert Phillips reported on new chrysanthemum introductions. Winona and Vulcan, introduced in 1955, are real successes, he related. Two new varieties will be introduced in 1956, he said. Mesaba, a rust-colored mum having double flowers, two to two and one-half inches in diameter, growing 18 inches high,

6,000 AZALEAS



FEDORA, HERBERT, FIREBALL,
BOSLEY No. 5, HINO-CRIMSON,
LOUISE GABLE.

NOT the cheapest The BEST

We grew them here and they are hard
and have been sheared hard.

Loaded with Bloom Buds

Cash-and-carry sizes for sales lots.

THE BOSLEY NURSERY Mentor, Ohio

PIONEERS IN HOLLY SELECTION

HARDY PLANTS Bulbs and Shrubs

"America's Finest"

Write for Trade List

Springbrook Gardens

MENTOR, O.

SMALL FRUIT PLANTS

Grapes

Currants

Berry Plants

Write for Wholesale Price List

FOSTER NURSERY CO., Inc.

69 Orchard St. FREDONIA, N. Y.

has long stems and starts blooming late in August and continues into freezing weather. Wanda is the other, having raspberry-pink colored flowers, two and one-half to three inches in diameter, and growing 15 inches high. It blooms early in August and continues into October.

Richard Stradthers talked on the university's research program. Some of the projects initiated include soaking of plant materials previous to planting; a hardiness program on roses, testing methods of carrying them over winter; propagation of materials not generally used in the state; work on fall and spring transplanting; weed control work with chrysanthemums; work on soil fumigants; lawn and turf studies, and storage of dahlias over winter.

Dr. Snyder called on two extension men, Dr. Clint Turnquist, concerned with fruit and vegetables, and Dr. Gustave Hart, in charge of extension work in ornamental horticulture. They explained some of their work at the university.

Completing the afternoon program, Dr. Snyder related that two years ago last July, an extensive program was started in the state for testing trees and shrubs. A total of four woody plants has been introduced so far. A total of 640 varieties has been received, and 350 of these have been planted at the fruit farm. About 250 more are in the propagating frames now and will be planted out next spring. Eventually, said Dr. Snyder, it is hoped that the state can have an arboretum in connection with the university.

Entertainment

Guest luncheon speaker Monday noon was George Grimm, radio commentator and news columnist, who talked on his experiences behind the iron curtain.

At the banquet that evening, the featured speakers were George Selke, commissioner of conservation, and Byron Allen, commissioner of agriculture. After the delicious buffet dinner, Harold Reid received the "Plant America" award for Park Nurseries, and Mr. Ruedlinger was presented the fishing rod for his service to the association. A most entertaining variety program completed the evening.

ACHIEVEMENTS in agriculture, agronomy and flood control work of Albert F. Sander, of the Sunnyside Nursery, Las Vegas, Nev., were cited in a recent article in the Las Vegas Sun. Mr. Sander and his wife, LaVeta, opened the nursery last August.

EVERGREEN GRAFTS

CREATED BY SKILLED WORKMEN

- Husky Understocks
- Strong Scions
- Sturdy Unions

\$55.00 per 100; \$500.00 per 1000.

300 alike or assorted at 1000 rate. Minimum order: 25 of any one variety.

JUNIPERUS (Juniper)

Juniperus virginiana understock

Chinensis Columnaris, Blue
Chinensis Columnaris, Green
Chinensis Pfitzeriana, Blue
Kosteriana Plumosa
Scopulorum, Select Blue
Scopulorum, Chandler
Scopulorum, Cologreen
Scopulorum, Crawford's
Scopulorum Horizontalis

Scopulorum Moffeti
Scopulorum, Pathfinder
Scopulorum, Sutherland
Scopulorum Welch
Virginiana Burki
Virginiana Canaerti
Virginiana Cupressifolia
Virginiana Keteleeri
Virginiana Hilli (Dundee)

THUJA (Arborvitae)

Thuja orientalis understock

Aurea Nana
Aurea Nana, Dwarf
Bonita

Excelsa
Crawford's Compact

CUPRESSUS (Cypress)

Thuja orientalis understock

Arizonica (Hardy at Ottawa for many years).

JUNIPERUS SCOPULORUM

Plant Patent No. 1070

Platinum

New! Recently introduced by us. Brilliant silvery-blue color retained the year around. Dense foliage, requiring very little shearing to make compact and symmetrical. It has never blighted with us.

GRAFTS \$1.00 each

OTHER VARIETIES GRAFTED ON SPECIAL ORDER

THE WILLIS NURSERY CO.

"Your Wholesale Nurserymen"
OTTAWA, KAN.



FRENCH PUSSY WILLOW

(Salix Discolor Selection)

Beautiful February-flowering strain. Catkins beneath is a rich mahogany-red with attractive large silvery-pink catkins when mature.

| | Per 100 | Per 1000 |
|---------------------|---------|----------|
| 15 to 18 ins. | \$25.00 | \$200.00 |
| 18 to 24 ins. | 30.00 | 250.00 |
| 24 to 36 ins. | 35.00 | 300.00 |
| Cutback liners | 12.00 | 100.00 |

BEARDSLEE NURSERY PERRY, O.

Stock that is hardy.

WHOLESALE

SUMMIT NURSERIES
STILLWATER, MINN.

Specimen Landscape

Materials

Our Specialty . . .

TAXUS



W. A. NATORP CO.

4400 READING ROAD
CINCINNATI 29, OHIO

Visit our nurseries when in Cincinnati

PFITZER JUNIPER

Lining-out Stock



Heavy, 4-yr. transplants, spaced out. Trimmed once.

| | Each | Each |
|----------------------|---------|----------|
| | Per 100 | Per 1000 |
| 9 to 12 ins., heavy | \$.50 | \$4.50 |
| 12 to 15 ins., heavy | .60 | .55 |

Ideal Size for:

- Canning or potting
- Field planting
- "Baby Evergreens"

Shipped bare root, any time.
Minimum order 100, please.

BERRYHILL NURSERY CO.
P. O. Box 696 SPRINGFIELD, O.

SMALL FRUIT PLANTS and VEGETABLE ROOTS

We grow for the whole-sale trade only.

KRIEGER'S WHOLESALE NURSERY
BRIDGMAN, MICH.

ATTENTION LANDSCAPE MEN! BIG SUGAR MAPLE

We are offering, for your inspection, nursery-grown Sugar Maples, 4 to 9-in. cal. They have been transplanted three times. Seed was sown in fall of 1927.

We also have a good supply of Pfitzer Junipers in landscape sizes.

HOME NURSERY

LA FAYETTE, ILL.
C. S. Ingels C. I. Ingels

LETTERS FROM THE READERS

TOBIRA IN VIRGINIA

"I have enjoyed reading your magazine for several years and have learned much from it. I feel prompted to write with reference to a recent article.

"The November 1 issue had a fine photograph and article on *Pittosporum tobira*. The point on which I take issue is the statement 'it is hardy from central Alabama and Georgia to south Florida.'

"In the Norfolk and Virginia Beach area (of Virginia) *Pittosporum tobira* is used extensively and quite successfully. It is popular with the ladies because the foliage is so attractive that it is often used in flower arrangements. As your article states, it is an excellent shrub for ocean front planting; so we at Virginia Beach like it for that reason. I find that it grows satisfactorily in full sun, partial shade and almost complete shade.

"According to the Monrovia Nursery catalog, the variegated variety is not so hardy as the species; however, there is one specimen plant of the variegated type here at Virginia Beach which has survived the past eight winters satisfactorily.

"I do not know how much farther north *pittosporum* will grow. I have seen it at Raleigh, N. C., which is colder in the winter than Virginia Beach, even though slightly south of here. Mr. Tankard, of the Tankard Nurseries, Exmore, Va., told me, about a year ago, that his firm does not grow *pittosporum* because he does not consider the plant hardy there. Exmore is 50 to 70 miles north of here and on the Eastern Shore, which is warmed to some extent by the Gulf Stream.

"*Pittosporum tobira* happens to be one of my favorite plants."

Burton H. Bridges, Jr.

TWO FORMS OF 2,4,5 TP

I read with great interest the excellent article by Roger G. Coggeshall on the propagation of holly under polyethylene film. His work in the use of polyethylene film is to be highly commended.

I should like to make one comment to clarify one aspect of the data he presented. His tables recorded that treatment with 2,4,5 trichlorophenoxyacetic acid at 0.5 mgm. was ex-

SPRING, 1956

Fruit trees, shrubs, shade trees, ornamental trees, evergreens, taxus and small fruit plants. A few items in large quantity.

Almond Pink
Barberry, *Mentorensis*
Beauty Bush
Cotoneaster *Divaricata*
Euonymus *Patens*
Euonymus *Erectus*
Flowering Crab Apple
Forsythia
Honeysuckle Bush
Japanese Red Quince
Philadelphus *Virginalis*
Privet, Amur River North
Privet, Regel's True Type
Viburnum *Dentatum*
Viburnum *Sterilis*
Weigela *Rosea*
White Kerria (*Rhodotypos*)

G. M. HOBBS & SONS, INC.
BRIDGEPORT, IND.
Established 1875

Chipman's RED RHUBARB

Large No. 1 Divisions
\$20.00 per 75

Cash with order; packing free.
Write for prices on larger quantities.

KEELER'S GARDENS
SIOUX FALLS, S. D.

ORNAMENTALS TREES SHRUBS EVERGREENS

Wholesale growers of a
general assortment for
the best landscape plantings.

BRYANT'S NURSERIES
Princeton, Illinois

DWARF BLUE-LEAVED ARCTIC WILLOW

(*Salix Purpurea Nana*)

Beautiful, new hedging shrub for all northern localities. Will thrive in practically any type of soil. Has fine-cut, bluish leaf and makes spectacular low-to-medium hedge. Should have full sun to develop to maximum attractiveness.

| | Per 100 | Per 1000 |
|----------------------------------|---------|----------|
| 9 to 12 ins., 1-yr. | \$12.00 | \$100.00 |
| 12 to 15 ins., 1-yr. | 15.00 | 125.00 |
| 15 to 18 ins. and up, 2-yr. | 20.00 | 180.00 |

BEARDSLEE NURSERY PERRY, O.

ARMINTROUT'S EVERGREEN NURSERY ALLEGAN, MICH.

Seedlings—Transplants
Finished Stock
Send for price list.

cessive and that many of the cuttings were harmed. I can well believe that this would be so, but I want to point out that treatment of *Ilex opaca* with 2,4,5 trichlorophenoxy alpha propionic acid has proved highly advantageous in one or two modest tests which were made in 1953. Your readers might well be excused if they became confused between the two forms of 2,4,5 TP. The replacement of the acetic with propionic acid seems to modify the violent nature of the phenoxy part of this chemical, and it would be unfortunate if the two were not clearly differentiated in the mind of the progressive propagator.

James S. Wells

BAILEY IMPROVEMENTS

The J. V. Bailey Nurseries, St. Paul, Minn., have made extensive additions in the past few months. In November, 1955, the firm completed an additional storage room, 40x60 feet, with a 13-foot ceiling, giving 2,400 more square feet of floor space for a total of 5,700 square feet. The new room was insulated with four inches of Styrofoam.

A year ago, the firm installed controlled humidity equipment in one of the storage cellar rooms and in two of the refrigerated rooms. The results were so satisfactory that now all of the storage rooms are under automatic humidification. The savings in the use of packing material is considerable, but the real argument for making these improvements is that the quality and condition of the stock is under control at all times, and this assures that the plant material is delivered in the best possible condition.

The firm had a modest increase in the production of shade trees and at times had been forced to leave a high percentage of them in the field for spring digging. This had resulted in occasional delay in delivery and sometimes excessive digging costs, when there was a wet spring. Last fall the firm purchased a warehouse 80x150 feet, with a 16-foot ceiling, which is proving to be an ideal storage room for its caliper trees.

GARDEN CENTER LATH UNIT

[Continued from page 18]

need deeper beds to hold in place the sawdust, peat or whatever is used to protect the earth and balls. Comparatively deep beds will also be needed for bare-root shrubs and trees that are heeled in. Beds for plants in containers need not be very deep,

INSURE THE STANDS IN YOUR NURSERY ROWS BY PLANTING OUR CHOICE POTTED LINING-OUT STOCK

Well Established in Dowfume MC-2 Sterilized Soil.

Write for our complete list today.

Prices are reasonable.



Samples of our evergreen liners will be on display in spaces 1 and 2 in the Chicago room, mezzanine floor, Hotel LaSalle at Chicago, during the Illinois State Nurserymen's annual convention—January 16 through 18, 1956.

We also have a wide selection of very fine specimen B&B evergreens.

Write for Price List Today.

T. G. OWEN & SON, INC.
COLUMBUS, MISS.

See our classified ad under lining-out stock.

Please Mention **AMERICAN NURSERYMAN** When Writing Advertisers.

COMMERCIAL **Nursery Co.**
ESTABLISHED 1900
Decherd, Tennessee

just deep enough to keep the containers from encroaching upon the aisles.

Boards or Concrete

In constructing the beds, the boards are, of course, placed on edge and held in place by nailing to stakes made of 2x4's pointed on one end and driven into the ground. The stakes should be on the inside of the beds. It is well to protect the

boards and stakes against decay with a wood preservative, but be sure the preservative has no chemicals in it that are injurious to plants.

Other materials are sometimes used for making beds. Cast reinforced concrete planks make beds that will last indefinitely. Because of their thickness, the usable space is somewhat reduced in beds made from concrete planks. Transite is sometimes used for making beds;

BROWN DEER LINERS

Spring, 1956

All stock is 4 and 5 years old, twice transplanted. Plants have been growing in 12-in. rows, 12 ins. apart, and have developed into really fine liners.

Each Each
per 100 per 1000

| | | |
|------------------------------|--------|--------|
| Taxus hicksii | | |
| 6 to 9 ins. | \$0.50 | \$0.45 |
| Juniperus hetzi | | |
| 6 to 9 ins. | .45 | .40 |
| Juniperus Andorra | | |
| 6 to 9 ins. | .45 | .40 |
| 9 to 12 ins. | .55 | .50 |
| Dark Green Arborvitae | | |
| 6 to 9 ins. | .40 | .35 |
| 9 to 12 ins. | .45 | .40 |
| 12 to 15 ins. | .50 | .45 |
| 15 to 18 ins. | .65 | .60 |
| 18 to 24 ins. | .80 | |
| Siberian Arborvitae | | |
| 6 to 9 ins. | .40 | .35 |
| 9 to 12 ins. | .45 | .40 |
| 12 to 15 ins. | .50 | .45 |

No packing charge.

BROWN DEER NURSERIES

P. O. Box 1747
MILWAUKEE, WIS.

REMEMBER SHERMAN'S for . . .

Alpine Currant
Hydrangea P. G.
French Lilacs
Snowball
Shade Trees
Evergreens
Phlox
Peonies
Plum Seedlings
Lining-out Stock

Let us quote you on your requirements.

SHERMAN NURSERY CO.
CHARLES CITY, IA.



Quality Ornamentals
Since 1881
McCole nursery company

2000 Jackson St.

PAINESVILLE, O.

VICARY PRIVET

Lovely golden-leaved variety. Extremely adaptable for a striking border. Retains full golden color from spring to fall. Beautiful for rose bed borders. Should have full sun.

Per 10 Per 100 Per 1000
Liners in 2-in. pots \$2.00 \$18.00 \$150.00
BEARDSLEE NURSERY Perry, O.

such beds present a neat appearance and require little upkeep, but cannot withstand rough usage, because the material is brittle.

If your beds are made of wood it is desirable to have them painted some pastel shade. This will not only help to make the beds last longer, but will result in more attractive displays. Light green and light yellow are pleasing colors to use. White is also satisfactory, because the shade removes the glare.

Aisle Surface

When your beds are built, your next concern will be for the aisles. They are highly important, because from them your customers will view your merchandise. If your customers have to walk in dust or mud, they will hardly be in the best mood for buying.

Many kinds of material can be used to surface the aisles or walks between the beds. Sawdust and tanbark (if available) probably are the cheapest, but both are inclined to be dusty when dry and messy when wet, so are not the best. Fine crushed rock, packed down hard, serves quite well, as does fine clean gravel, but gravel does not pack down well, and loose gravel is hard to walk on.

Perhaps the best materials are asphalt and concrete. Asphalt is probably a little cheaper. It should be applied to a firm crushed rock base. If concrete is used, be sure the surface is roughened a little, because smooth concrete is slippery when wet. Whatever you use to surface your aisles must be easy to walk on, with no dust or mud regardless of weather. When you build your walks, be sure to provide drainage. Water is bound to accumulate from rain or irrigation and must have some place to go. J. J. P.

WISCONSIN CONVENTION

[Continued from page 7]

the certification of state inspection required by law.

The proposed tags are in the shape of the state of Wisconsin, so that they will be recognizable in any position. Green printing against a yellow background will be used if such a combination proves to hold up well under storage conditions.

Elections

Two elections were held during the course of the convention. The Wisconsin Nurserymen's Association selected the following as its officers for the coming year: President, John Gartman, Gartman's Gardens, Fond

TREES

Shade and Flowering

| | Per 10 | Per 100 |
|----------------------------------|----------|----------|
| Birch, European White | | |
| 8 to 10 ft. | \$ 35.00 | |
| 10 to 12 ft. | 45.00 | |
| Birch, Cut-leaved Weeping | | |
| 6 to 8 ft. | 22.50 | \$210.00 |
| 6 to 8 ft. | 30.00 | 285.00 |
| 8 to 10 ft. | 40.00 | |
| 10 to 12 ft. | 52.50 | |
| Elm, Chinese, 8 to 10 ft. | 25.00 | 200.00 |
| 1 1/2 to 1 1/2-in. cal. | 35.00 | 275.00 |
| 1 1/2 to 2-in. cal. | 42.50 | 375.00 |
| 2 to 2 1/2-in. cal. | 65.00 | 550.00 |
| 2 1/2 to 3-in. cal. | 82.50 | 750.00 |
| Linden, American | | |
| 10 to 12 ft. | 37.50 | |
| 2 to 2 1/2-in. cal. | 55.00 | |
| 2 1/2 to 3-in. cal. | 300.00 | |
| Maple, Norway | | |
| 8 to 10 ft. | 40.00 | 375.00 |
| 1 1/2 to 1 1/2-in. cal. | 57.50 | |
| Maple, Silver | | |
| 6 to 8 ft. | 20.00 | 175.00 |
| 8 to 10 ft. | 27.50 | 325.00 |
| 1 1/2 to 1 1/2-in. cal. | 37.50 | 325.00 |
| 1 1/2 to 2-in. cal. | 51.00 | 425.00 |
| 2 to 2 1/2-in. cal. | 70.00 | 600.00 |
| 2 1/2 to 3-in. cal. | 87.50 | 800.00 |

OAK—American White, Bur

5 to 6 ft. 37.50
6 to 8 ft. 45.00

OAK, Pin
2 1/2 to 3-in. cal., B&B, \$35.00 each.

POPLAR, Lombardy
8 to 10 ft. 8.50 80.00

WILLOW—Thurlof Weeping, Babylonica Weeping.

Niobe Weeping
6 to 8 ft. 16.00 150.00
8 to 10 ft. 22.50

Write for prices on larger specimen trees, also Complete Wholesale Price List.

WAYNESBORO NURSERIES
WAYNESBORO, VIRGINIA

50,000 SHADE TREES

| | |
|-------------------------------|--------|
| Chinese Elm | |
| 5 to 6 ft., 1/2-in. cal. | \$0.50 |
| 6 to 8 ft., 3/4-in. cal. | .75 |
| 8 to 10 ft., 1-in. cal. | 1.00 |
| 1 1/4 to 1 1/2-in. cal. | 1.50 |
| 1 3/4 to 2-in. cal. | 2.00 |

Reduced price if in truckload lots.

LUKE NURSERY
PAULS VALLEY, OKLA.

Phone: 116

JUNIPERUS VIRGINIANA

(Red Cedar)

| | Per 100 | Per 1000 |
|---------------------|---------|----------|
| 6 to 12 ins. | \$2.50 | \$20.00 |
| 12 to 18 ins. | 3.50 | 30.00 |
| 18 to 24 ins. | 5.00 | 45.00 |
| Understock | | |
| grafting grade | 6.00 | 50.00 |

VINCA MINOR

As dug, not graded 2.50 20.00

O. H. PERRY NURSERY CO.

Box 545
McMINNVILLE, TENN.

Finest Quality PERENNIALS and SHRUBS

Write for complete trade list.
KINGWOOD NURSERIES
MENTOR, O.

du Lac; vice-president, Vincent Frantal, Frantal Nursery, Kenosha; secretary-treasurer, Thomas S. Pinney, Evergreen Nursery Co., Sturgeon Bay; directors for 3-year terms, Robert Gieringer, outgoing president, and Ralph Petranek, Brown Deer Nurseries, Milwaukee. Others still serving on the board of directors are Marvin A. Haller, Green Terrace Nurseries, Oshkosh; Leland L. Jens, Jens Nursery & Landscape Co., Wisconsin Rapids; Kenneth Greaves, Greaves Landscape Nursery, Milwaukee, and Kenneth Altorfer, McKay Nursery Co., Madison.

The Wisconsin chapter of the A. A. N. elected the following officers for the coming year: President, John Gartman; vice-president, Vincent Frantal; secretary-treasurer, Thomas Pinney; delegate, Walter Remond, Carl Gerlach Co., Milwaukee, and alternate, Thomas Pinney.

Convention Speakers

Dr. Donald P. Watson, of Michigan State University, East Lansing, spoke on the "Potential of the Nurseryman in Wisconsin." Nurserymen are not taking full advantage of the tremendous business potential of the times, he said. More people live in rural or suburban settings than ever before, and nurserymen should capitalize on that fact.

Dr. Watson compared the tremendous amount of advertising done in the cosmetic business with the small amount done in the nursery business, despite the fact that our product is far more worth while and lasting. People like to use the brand-name products because they want others to know they have the best. Nurserymen could capitalize on this quirk of human nature by making it known which of our plants are the best, so that people will desire them.

Dr. Watson considered it unfortunate that, although Wisconsin nurserymen sell \$2,250,000 worth of products at wholesale each year, they are not getting the proper percentage of the national total of \$200,000,000 worth. Even so, the nursery trade is a far bigger industry than some others which make a big noise. It is time for the nurseryman to make himself heard. The \$1.83 per person spent on nursery stock annually in Wisconsin is less than the cost of one football ticket, he pointed out, and the sum can be increased by vigorous advertising.

Dr. Watson suggested three helps toward the potential for the nursery business in Wisconsin. First of all, nurserymen should assist in the work of trade groups on local, state and national bases. In addition to belong-

ing to the Wisconsin Nurserymen's Association, the forward-looking grower will join the A. A. N., as well as the American Horticultural Council, which works on legislation. Horticulture plays a big role in the social, economic and spiritual life of our nation, and nurserymen should speak of it boldly, with confidence and faith. They will have much more influence as an organized group than as individuals.

Second, Dr. Watson recommended

a program of public education and information. Booklets and television shorts which tell the public how to grow things are one avenue. Occupational therapy and garden club work are also valuable. With the rising popularity of garden lighting, getting plants into the spotlight, along with the buildings, nurserymen might do well to cooperate with the lighting companies on the preparation of booklets on the subject. A modern advertising program is most impor-

APPLE TREES

We have an exceptionally nice crop of 2-year apple trees for sale and will appreciate an opportunity to quote on your needs.

The Shenandoah Nurseries
(Lake's)
SHENANDOAH, IA.

CHASE OFFERS

| | | (Grade Count Available) | | | |
|---|---------------|-------------------------|---------------|---------------|-----------|
| | | 2 to 3 ft. | 18 to 24 ins. | 12 to 18 ins. | |
| Crape Myrtle | | | | | |
| Pink | --- | --- | --- | 500 | |
| Red | 110 | 1250 | | 3200 | |
| White | --- | 350 | | 3000 | |
| At following prices: | | 10 Rate | | 100 Rate | 1000 Rate |
| 2 to 3 ft. | --- | 40c | | 35c | --- |
| 18 to 24 ins. | --- | 30c | | 25c | 20c |
| 12 to 18 ins. | --- | 25c | | 20c | 15c |
| 50 at 100 rate; 500 at 1000 rate. | | | | | |
| Crape Myrtle, William Toovey , the finest of the reds. | | | | | |
| 300 | 18 to 24 ins. | 45c | 40c | --- | --- |
| 975 | 12 to 18 ins. | 35c | 30c | --- | --- |
| Two-year stock, transplanted. | | | | | |

Two-year stock, transplanted.

Prices at Chase, packing extra at cost.

CHASE NURSERY CO.
CHASE, ALA.



Top-Quality ASPARAGUS ROOTS

packaged to sell FAST!

Famous strains—Mary Washington and Roberts strain—now available from one of the largest and oldest growers in the asparagus industry—BOLTMAN.

Packaged for you in two ways: 25 roots in polyethylene bags, 20 bags in a colorful carton—or 40 bundles of 13 roots each in the same eye-catching carton. A booklet of planting instructions goes with each bag or bundle, which makes Boltman Asparagus Roots sell still faster.

Write for illustrated circular with costs and suggested retail selling prices. No cost or obligation.

Boltman Asparagus Co.
Dept. AN, ROCHELLE, ILL.

PINK DOGWOOD WHITE DOGWOOD

1, 2 and 3-yr.-old.

Evergreens
Broad-leaved Evergreens
Shade Trees
Flowering Crab Apples
Flowering Shrubs
Fruit Trees

Let us quote on your requirements.

HAWKERSMITH & SONS NURSERY
TULLAHOMA, TENN.

COLORADO SEED

Blue Spruce and Concolor Fir.
SAN ISABEL SEED CO.
SILVER CLIFF, COLO.

MERION BLUEGRASS

\$3.75 per lb. F.O.B.
(Minimum Order 100 Lbs.)
ROY JENNINGS
Box-D, MADRAS, ORE.
No C.O.D. orders, please

tant of all, said Dr. Watson. People are no longer living the way they used to, and nurserymen can no longer sell in the old way.

Finally, the speaker said, nurserymen should be able to grow quality plants much more cheaply. To accomplish this, they must back the research projects which are being conducted to help them.

Panel Discussion

A lively panel discussion on what wholesalers and retailers expect from each other was moderated by L. L. Kumlien, Kumlien Nursery, Janesville. Representing wholesalers were Joseph Whalen, J. V. Bailey Nursery, St. Paul, Minn.; Jack Hill, D. Hill Nursery Co., Dundee, Ill., and John McLaren, Shenandoah Nursery, Shenandoah, Ia. The retail side of the panel consisted of Vincent Frantal, Frantal Nursery, Kenosha; Donald Groth, Groth Landscape Gardening, Milwaukee, and Gordon Suthers, Suthers Moundview Nursery, Platteville, all of Wisconsin.

Vincent Frantal led off the discussion with several suggestions on how wholesalers could improve their services to retailers. Most important, wholesalers should be careful in labeling their stock. Retailers desire the exact color and type ordered and dislike finding that bundles of plants often contain several varieties. Mr. Frantal also called for better grading practices, complaining that often several plants in a bundle are below size and must be put aside. "That's how so many landscape men get into the growing end of the business," he said.

Mr. Frantal also suggested that wholesalers could improve their services by prompt acknowledgments of orders and by informing the retailer if the plants on his order are not available. Retailers would also appreciate prompter delivery than they often get now.

Adjustments

Wholesaler Jack Hill aired a few complaints about retailers who, he said, are extremely slow to put in requests for adjustments on plants which were not received in good condition. "It is often 90 days after the shipment was received, just when the wholesaler is trying to collect the account, that the retailer reports the plants have died," said Mr. Hill. "If there is to be an adjustment, wholesalers would like to know about it as soon as the shipment has been received."

Mr. Hill added that adjustments would probably be far less if the re-

EXTENSIVE GROWERS OF...

- FRUIT TREES (also dwarf)
- SMALL FRUITS
- NUT TREES
- FLOWERING TREES
- SHADE TREES
- SHRUBS
- EVERGREENS
- CALIFORNIA GROWN ROSES
- HEDGES and VINES



All under irrigation. Large mechanical digger assures entire root system. New 95' x 160' cold storage, keeps stock in perfect condition. Visit our nursery and see the superior quality of our stock. Book orders now for Fall and Spring delivery.

White for...
complete
Wholesale Catalog
with attractive prices

TAHLEQUAH, OKLAHOMA

CHINESE CHESTNUTS

Seedling-grown

| Seedlings | Per 100 | Per 1000 |
|--------------------|----------|-----------|
| 18 to 24 ins. | \$ 25.00 | \$ 200.00 |
| 2 to 3 ft. | 30.00 | 275.00 |
| 3 to 4 ft. | 40.00 | 350.00 |
| Transplants | | |
| 2 to 3 ft. | 45.00 | 400.00 |
| 3 to 4 ft. | 55.00 | 500.00 |
| 4 to 5 ft. | 70.00 | 650.00 |
| 5 to 6 ft. | 90.00 | 800.00 |
| 6 to 8 ft. | 125.00 | 1000.00 |

FAIRVIEW EVERGREEN NURSERIES
FAIRVIEW, Erie Co., PA.

SEEDS

Collectors of Tree, Shrub and Wild Flower Seeds
Crude Drugs and Ornamentals
E. C. MORAN, Stanford, Mont.

WELLER'S PERENNIALS

With That Wonderful Root System
Headquarters for
HARDY MUMS AND PHLOX
Ask for our Perennial Catalog.
WELLER NURSERIES CO., Inc.
Leading Perennial Growers
HOLLAND, MICH.



Azaleas, Camellias
and Magnolias
our
specialties.

Semmes, Ala.



YOU WILL LIKE THE QUALITY OF NAUGHER'S

PINK DOGWOODS

| | Each |
|---|--------|
| 12 to 18 ins., 1-yr., bare root | \$0.75 |
| 18 to 24 ins., 1-yr., bare root | 1.00 |
| 24 to 30 ins., bare root | 1.25 |
| 30 to 36 ins., bare root | 1.50 |

NAUGHER'S Pink Dogwoods are dormant budded on transplanted seedlings, insuring heavy root systems, good caliper and well-branched trees. Our grading is very liberal. All orders will be promptly acknowledged, greatly appreciated and expedited with personal supervision.

NAUGHER'S field-grown evergreen liners are produced under ideal conditions—properly irrigated, cultivated, fertilized, root-pruned—thus, a hardy, well-rooted liner. Our liners are dug, graded and made ready for shipment within a 48-hour period. NAUGHER'S packing is free when cash accompanies order. Fifty or more plants at 100 rate; 300 or more at 1000 rate.

DON'T DELAY . . . BOOK YOUR ORDER NOW . . . FALL OR SPRING DELIVERY

NAUGHER NURSERY CHASE, ALA.



Telephone Huntsville, Ala.
JEFFERSON 2-2061

tailers would heel in the plants until they are sold, thereby reducing loss. He expressed the belief that retailers should be more willing to accept normal shipping risks.

Donald Groth brought up the matter of a discount policy for landscape gardeners. "Landscape men cannot make a fair profit if they are charged the same prices made for the general public," he said.

The panel also discussed the need for descriptive catalogs of nursery material, as an aid in retail sales, suggesting that wholesalers might give the retailers an assist with various sales aids. The wholesalers of the panel objected, saying the cost of such a service would have to be added to the price of the plants and would probably make the cost too great to be competitive. The retailers disagreed, pointing out that the rose and bulb growers provide such sales aids without raising their prices too high.

Pest Control

Three speakers from the bureau of plant industry of the state department of entomology led off the program on the final day of the convention. H. E. Halliday discussed the new nurserymen's license law, telling the group that it is the nurserymen

themselves who must take the lead in enforcing the law. In addition to having his own material properly tagged as provided by law, he should report any violations in his community to the department of entomology. An individual can keep his eye on the local situation far better than the enforcement officials. Nurserymen must be careful not to sell at

wholesale to anyone who cannot show a dealer's license. Even if the buyer has a license, he cautioned, do not sell to him if the individual does not seem to qualify for it.

It is important to stick together on this latter point, or the buyer will simply look around until he finds a nurseryman who does not question his qualifications. Out-of-state nurs-

FIELD-GROWN EVERGREEN LINERS

| | Each | Per 100 | Per 1000 |
|---|---------|---------|----------|
| Andorra Juniper, 1-yr., 6 to 12 ins. | 12 1/2c | 10c | |
| Ashford Juniper, 1-yr., 6 to 12 ins. | 12 1/2c | 10c | |
| 2-yr., 6 to 18 ins. | 17 1/2c | 15c | |
| Fastigiata Juniper | | | |
| 1-yr., 6 to 12 ins. | 12 1/2c | 10c | |
| 2-yr., 6 to 18 ins. | 17 1/2c | 15c | |
| *Greek Juniper, 1-yr., 6 to 12 ins. | 12 1/2c | 10c | |
| Hetz Juniper, 1-yr., 6 to 12 ins. | 17 1/2c | 15c | |
| Irish Juniper, 1-yr., 6 to 12 ins. | 12 1/2c | 10c | |
| *Plitzer Juniper, 1-yr., 6 to 12 ins. | 17 1/2c | 15c | |
| *Compact Plitzer Juniper | | | |
| 1-yr., 6 to 12 ins. | 17 1/2c | 15c | |
| Savin Juniper, 1-yr., 6 to 12 ins. | 12 1/2c | 10c | |
| 2-yr., 8 to 15 ins. | 17 1/2c | 15c | |
| *Root-pruned. | | | |

TREES of REPUTATION

If you live in west Texas, New Mexico, Colorado, western Oklahoma—you can't afford not to plant our evergreens, shade trees and shrubs. Properly grown; properly balled and burlapped; well dug with plenty of good roots. Rich soil. Only hardy varieties grown; specializing in Junipers. Several thousand to offer, landscape grades.

Nursery located 63 miles east of Amarillo, Tex., and 7 miles northwest of Alanreed, Tex., on Farm Road 291; 28 miles south-east of Pampa, Tex., on 291. Amarillo Div. 1616 Western.

Mailing address and nursery:

BRUCE NURSERIES ALANREED, TEX.

THE KENTUCKY JUNIPER GRAFTERS ASSN.

invites your inquiries for Juniper grafts and other liners. Upon request, we will gladly mail you a list of propagators in Kentucky, after which you may contact your favorite grower. Address inquiries to: T. C. CRUME NURSERY & LANDSCAPING CO., Hwy. 42, FLORENCE, KY.

Be sure to
list...

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EVERBEARING
PLANT PAT. NO. 993 R

We have the sales helps you need to sell and profit from this popular everbearing strawberry. Write today for complete information on Pack-Out, Bulk shipment and over-the-counter packages.

A complete line of strawberry and perennial plants.

Write
for
Catalog...

JUDSON

WHOLESALE NURSERIES
BRISTOL, INDIANA

**Heavy Shrubs
Juniper Grafts
Lining-Out Stock
Specimen Evergreens
SNEED NURSERY CO.**

P. O. Box 798
OKLAHOMA CITY 1, OKLA.




**FINISHED
STOCK and LINERS**

We solicit your inquiries.

**LAIRD'S
NURSERIES**

Route 2
RICHMOND, VA.
5 miles west of city on Broad St. Road



AZALEAS

Broad-leaved Evergreens and a general line of quality ornamentals.

THE TANKARD NURSERIES
EXMORE, VA.

eries are cooperating well, Mr. Halliday reported, by not selling at wholesale unless the man has a Wisconsin license.

Turning to the subject of nursery inspection, Mr. Halliday warned that nurserymen cannot afford to ignore recommendations made after inspections by the department of entomology. "The public is getting smarter," he said, "and the department has been called upon several times to look at stock bought by customers, who want to know whether the plant was infested when they bought it, or if it picked up something on their own land." Many of these cases would not have arisen if the seller had followed the recommendations of the department.

Mr. Halliday noted the serious increase in white pine blister rust, particularly in the pines around the Wisconsin Dells, which, as the state's most important scenic attraction, are vital to its economy. Currant and gooseberry bushes should not be sent into that area.

Mr. Halliday concluded with a word of warning about the handling of the new pesticides, which are dangerous if they are treated carelessly.

Dutch Elm Disease Warning

Don Renlund discussed Dutch elm disease and traced the history of its spread in this country. So far, no cases have been found in Wisconsin, but the disease has reached parts of Illinois bordering on that state, and nurserymen there must be alert to the possibility of its crossing the line.

Dutch elm disease is a fungus which clogs the pores of the tree. The European bark beetle is the insect vector and while there is no known control for the disease, nurserymen can at least do their best to keep the beetle out of the area. To do this, it is necessary to clear out the dead or dying wood in which the beetle breeds. Spraying with DDT when the beetles emerge gives some control.

The department of entomology has received several samples of wood from trees suspected of having Dutch elm disease, but tests proved in most cases that it was verticillium wilt. A few of the tests were negative.

Mr. Renlund said that the European pine moth has been found in Wisconsin and is a menace to the Christmas tree trade. It severs needles and deforms shoots, but rarely kills. The control is to clip the infested shoots. Larvae will be killed if the temperature goes below 18 degrees, unless snow protects them.

George Hafstad, Middleton, dis-

EARLY BLOOMING AMARYLLIS

JUMBO SIZE BULBS

Jumbo size bulbs treated in Holland for fast blooming. Photo to right shows flower bud already fully developed — blooms 6 to 8 weeks after potting.



Prepared VIVID RED or ORANGE
3 for \$5.00 10 for \$15.00

Prepared PURE WHITE
3 for \$5.40 10 for \$17.50

LATER BLOOMING AMARYLLIS (ROYAL DUTCH)

VIVID RED, SCARLET or ORANGE
3 for \$3.60 10 for \$11.50

SALMON or PINK
3 for \$4.00 10 for \$12.50

PURE WHITE 3 for \$4.10 10 for \$13.00

F.O.S. ROSLYN HEIGHTS, N. Y.

STASSEN FLORAL GARDENS, Inc.
DEPT. 31 ROSLYN HEIGHTS, N. Y.

NEW LIST

30 changes in listings—special bargain offer on few long items.

Wonderful price on large Arborvitae.

VERHALEN

NURSERY CO.

SCOTTSDALE 12140 HARRY HINES BLVD.
TEXAS DALLAS, TEXAS

Your Profits Grow in Verhalen Plants



ARP ROSES

AARS winners and 100 other popular varieties. In attractive, colorful packages or bare root.

Beautiful shade, productive too! Prolific varieties. Sizes 1 1/2 to 12 feet. In attractive packages or bare root. Get stock list and prices.

PECAN TREES

ARP Nursery Co.
Box 3338-J, TYLER, TEX.

MORNING STAR NURSERY

Rives, Tennessee

Wholesale Growers

Evergreens, Trees

Deciduous Shrubs, Roses

Send us your want list

FLOWERING CRAB APPLES

ALAMEDA, purple-rose flowers, wine-red fruit

ALMEY, fiery-crimson flowers, maroon fruit

ARROW, purplish-red flowers, red fruit

ATROSANGUINEA, carmine flowers, reddish fruit

BACCATA, white flowers, red or yellow fruit

ELEYL, vinous-red flowers, purplish-red fruit

FLORIBUNDA, rosy-white flowers, yellow and red fruit

FLORIBUNDA PURPUREA, purplish-red flowers, purplish-red fruit

GENEVA, purplish-red flowers

GLORIOSA, purplish-red flowers, bright red fruit

HOPA, rosy flowers, red fruit

MAKAMIK, China rose flowers, purplish-red fruit

NIEDZWETSKYANA, purple-red flowers, bright red fruit

RED SILVER, China rose flowers, purplish-red fruit

SCHEIDECKERI, pale pink flowers, yellow to orange fruit

CORNUS FLORIDA RUBRA

(Pink-Flowering Dogwood)

Growers of a complete line of general nursery stock.

THE SOUTHERN NURSERY AND LANDSCAPE CO., INC.

WINCHESTER, TENN.

Established 1872

Telephone: 2302

cussed canker, crown gall and borer control on poplars. The only real control, he said, would be to stop growing poplars, but because of their usefulness for screening, fast growth and quick shade, they will continue to be grown. Therefore, nurserymen should try to reduce loss.

Poplar cankers are caused by various fungi, which are spread chiefly during April and May. Because the fungus enters mainly through wounds, care should be taken to avoid injury of any kind. Anything that will insure vigorous growth, such as good soil, fertilization or irrigation, will also help to reduce infection. Mr. Hafstad also suggested the use of a fungicide such as Bordeaux, captan or Fermate.

Crown Gall

Crown gall is a bacterial disease which attacks a wide range of plants, such as poplar, willow, rose and some fruit crops. It remains viable in the soil for years and enters plants chiefly through wounds. One of the best means of avoiding crown gall is to lessen injuries caused by grubs, wireworms and other soil insects. Chlordane and aldrin will help reduce these injuries. In grafting, budding is preferred to stock and scion, but if the latter method is used, the

graft should be disinfected with Semesan.

There are several insects, said Mr. Hafstad, which spend part of their lives as poplar borers. In their adult stage, most are beetles, but some become weevils. Some require one year to develop and others may not reach maturity for three years. The damage is similar in either case; that is,

the trees are weakened as the result of burrowing by the larvae. Dead bark results, and later the wood decays. Branches and trunks weakened by tunnels of the borers often break off during a strong wind.

Individual burrows may be treated with carbon disulphide and sealed with putty. Some protection may be obtained by keeping the trunks of

SPECIAL SILVER JUNIPER SEEDLINGS

(*Juniperus scopulorum*)

| | |
|--------------------|----------|
| | Per 1000 |
| 9 to 12 ins. | \$ 80.00 |
| 12 to 18 ins. | 125.00 |

This is excellent-quality stock.

Order now and specify delivery date.

CANON NURSERY

P. O. Box 828

CANON CITY, COLO.

SHRUBS AND VINES FOR AMERICAN GARDENS —by Dr. Donald Wyman

Planting list guide for nurserymen. Recommends over 1100 species and varieties, with secondary list of 1700. Over 100 illustrations.

\$7.50 per copy postpaid.

AMERICAN NURSERYMAN, 343 So. Dearborn St., Chicago 4, Ill.

SURPLUS NURSERY STOCK

Per 100 Per 1000

| | | |
|--------------------------------|---------|----------|
| Spiraea vanhouttei | | |
| 3-yr., 18 to 24 ins. | \$ 4.00 | \$ 35.00 |
| Amur River North Privet | | |
| 2-yr., 12 to 18 ins., | | |
| 3 canes and up. | 4.00 | 30.00 |
| 18 to 24 ins., | | |
| 3 canes and up. | 5.00 | 40.00 |
| 2 to 3 ft., | | |
| 3 canes and up. | 6.00 | 50.00 |
| California Privet | | |
| 2-yr., 12 to 18 ins., | | |
| 3 canes and up. | 3.50 | 30.00 |
| 2-yr., 18 to 24 ins., | | |
| 3 canes and up. | 4.00 | 35.00 |
| Hydrangea P. G. | | |
| 2-yr., 3 to 4 ft., | | |
| 3 to 5 canes | 25.00 | 200.00 |
| 2-yr., 2 to 3 ft. | 20.00 | 180.00 |
| Pink Dogwood | | |
| 2-yr., 2 to 3 ft. | 125.00 | |
| 2-yr., 3 to 4 ft. | 200.00 | |
| 2-yr., 4 to 5 ft. | 310.00 | |

FAULKNER SPRINGS NURSERY

P. O. Box 242, McMinnville, Tenn.

Growers of Quality Nursery Stock
Since 1900**JUNIPER GRAFTS**

Spring, 1956, delivery.

VARIETIES: Canaerti, Burki, Dundee, Glauca and Keteleeri, grafted upon Juniperus virginiana understock. 45c, packing at cost.

PAUL ARTERBURN NURSERY

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ST. MATTHEWS 7, KY.



RARE and UNUSUAL BULBS
FREE list on request
GROWERS EXCHANGE, Inc.
FARMINGTON 8, MICHIGAN

FRUIT TREES

True-to-name, disease-free, large fibrous root systems.

Peach, Apple, Plum, Pear, Apricot.

WORLEY'S NURSERIES

YORK SPRINGS, PA.

CHINESE CHESTNUT TREES

Seedlings only of the Peter Lul strain, in 1-yr. whips, from 6 ins. to 4 ft. Your inquiries invited.

LEELAND FARMS

LEESBURG, GA.

BESTURF BRAND**MEYER Z-52 ZOYSIA**
Round Grass Plugs
"The World's Finest Lawn Grass"grown and sold by
PLEASANT VIEW NURSERIES
(Turf Division)

Peters Road, Troy, Ohio, Phone 27094

poplar sprayed with DDT up to a height of five or six feet, or by painting with carbolinum up to a height of two feet.

Mr. Hafstad warned that sanitation is essential in the control of borers. All infested branches or trees should be pruned out and burned. Poplars are a short-lived tree at best, he concluded, and one cannot expect too much from them. However, better care and more attention to their problems will insure that this tree will give more satisfaction to everyone.

Social Events

The various social functions which provided enjoyment for everyone who attended the convention included an evening of dancing and entertainment on Wednesday and the past presidents' banquet on Thursday. C. L. Wachtel was toastmaster for the latter, which was followed by a program of dancing and entertainment.

The ladies' program included a tour of Gretchen Kolnick's dream house and a noon luncheon at the Distelfink, a Pennsylvania Dutch restaurant.

"Landscape for Living," the new A. A. N. color movie, was shown at the noon luncheon on Wednesday, in the East room of the Schroeder hotel. A movie, "People, Products and Progress for 1975," was shown at Thursday's luncheon, held in the Crystal ballroom of the Schroeder hotel.

D. A. K.

FALSE ADVERTISING

Michigan Bulb Co., 915 Monroe street, Grand Rapids, Mich., a mail-order house selling nursery stock, was charged on November 25 by the federal trade commission with misrepresenting the terms of sale and the kinds and quality of its merchandise, according to an FTC release. At the same time as it made the charge the FTC rescinded its approval of agreements made by the firm in 1949 and 1952 to abandon voluntarily some of the misrepresentations covered in this most recent complaint.

The complaint alleges as false and misleading the company's advertising of package sales of nursery stock on the radio, in newspapers and magazines and through other promotional media. The merchandise so advertised includes "42 gorgeous rose plants, flowering shrubs and hedge plants," "100 gladiolus bulbs" and "indoor winter flower gardens." To advertise the last-named package, the firm claims that dissatisfied customers can get a "full price re-

POOLE BROS. NURSERY

LECOMPT, LA.

... Forest Hill, La.

Phone: Pl. 8-3155

MAGNOLIAS

| | |
|------------|--------|
| 2 to 3 ft. | \$1.00 |
| 3 to 4 ft. | 1.50 |
| 4 to 5 ft. | 2.00 |

DOGWOOD

| | |
|------------|------|
| White, 8&8 | |
| 2 to 3 ft. | .50 |
| 3 to 4 ft. | 1.00 |
| 4 to 5 ft. | 1.50 |

PAMPAS GRASS

| | |
|-------------|-----|
| Large clump | .50 |
|-------------|-----|

SLASH PINES

| | |
|---------------|-----|
| 18 to 24 ins. | .50 |
|---------------|-----|

GARDENIAS

| | |
|---------------------------|-----|
| Mystery and fortune! | |
| 15 to 18 ins. | .35 |
| 18 to 24 ins. | .50 |
| 24 to 30 ins. | .75 |
| Radicans and stricta nana | |
| 10 to 12 ins. | .35 |
| 12 to 15 ins. | .50 |

LINING-OUT STOCK

STANDARD ITEMS AND NOVELTIES

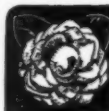
GULF STREAM NURSERY, INC.WACHAPREAGUE, VA.
J. L. Legendre, Pres.**Specializing in B&B Evergreens**

BROAD-LEAVED and CONIFERS

Catalog on Request.

LINDLEY NURSERIES, Inc.

P. O. Box H GREENSBORO, N. C.

**SEMME'S NURSERIES**AZALEAS - CAMELIAS
and other choice evergreens

Wholesale Catalog SEMMES, ALA.

**Trees, Evergreens, Shrubs
Fruit Trees**

Write for Our Wholesale Trade List

W. - T. Smith Corporation

Telephone 2689 GENEVA, N. Y.

FRUIT TREES

Dwarf and Standard

Send for Wholesale List

KELLY BROS. NURSERIES, INC.

Danville, N. Y.

CANNED PLANTS

Build profits with Wight's container-grown evergreens. Wide assortment, including Ilex, Magnolia, Camellias, Pyracantha. Ask for wholesale list.

Wight NURSERIES CAIRO, GA.

fund." The complaint charges that, instead, the customer gets a merchandise certificate.

Typical of such merchandise, the complaint charges, are the 42 plants and shrubs, advertised as a \$26.77 value for \$2.98. Despite claims, the complaint continues, not all of the plants are one foot high, as represented, and some are either dead or so weak that they will not grow. In one instance, the same kind of plant is advertised as two different items—the coralberry and the red snowberry. The assortment is not a \$26.77 value, the complaint states.

As for the bulbs sold by the firm, the complaint charges that gladiolus bulbs received often are bulblets. They are not capable of the full production ascribed to them. The so-called beautiful young evergreens, asserts the complaint, are not, as represented, grown in Michigan and inspected by the state's department of agriculture.

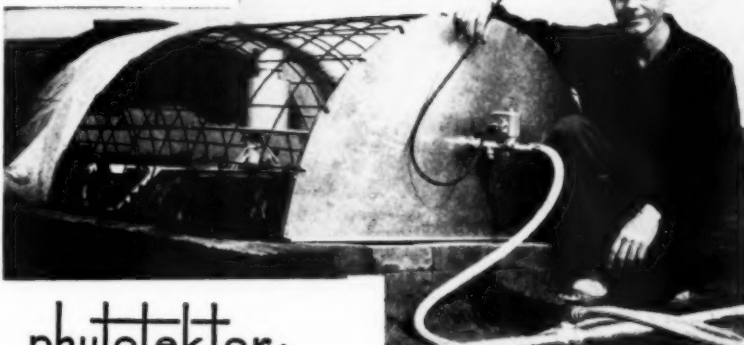
The company, in two stipulations approved by the commission, formerly had agreed, in effect, to stop making three of the claims complained of in the latest charge. In approving these agreements, however, the commission had reserved the right to issue a complaint involving the same matters when the facts warranted. The November 25 complaint alleges that the firm has represented, contrary to fact, that the various plants are delivered in time for seasonal planting. This representation was prohibited in a stipulation signed by the firm in October, 1949.

The two other claims were dealt with in a supplemental agreement in September, 1952. This agreement concerned the sale of bulbs or bulblets and prohibited representations that they are fully mature. The agreement required an affirmative disclosure of the fact that the bulbs are immature and of the effort required to bring them to full maturity. The two stipulations are still operative as to other claims. The November 25 complaint specifically points to 24 instances of misrepresentation and charges deception of the public in violation of the fair standards of the federal trade commission act.

HOUSTON EVERGREEN NURSERY, 437 East Chapin street, Cadillac, Mich., has sold its entire stock and equipment to Shore Evergreen Nurseries, Evart, Mich., which plan gradually to move the growing stock to Evart, which is 25 miles from Cadillac.

LINERS

FROM OPEN BEDS
AND FIELD ROWS



phytotektor.
U.S. HWY. 84-41A
WINCHESTER — TENNESSEE

HARVEY TEMPLETON, JR.

Foremost in intermittent mist propagation.
Originator of the Electronic Leaf Control.

40,000 LONICERA FRAGRANTISSIMA

Semi-evergreen. Excellent for hedge or screening.
Well Branched

2 to 3 ft., 4 to 6 canes \$30.00 per 100
3 to 4 ft., 4 to 6 canes 35.00 per 100

Moraine Locust (Pat. No. 836)

5 to 6-ft. whips to 1 1/4-in. transplants

Prices on request.

HILLENMEYER NURSERIES

LEXINGTON, KY.

SEEDS

for the Nurseryman and Forester.
Write for catalog.

CHRISTMAS TREE GROWERS

If undecided what type of seed to plant, request Scotch Pine branch sample cut from trees under exposure as proof of winter color.

F. W. SCHUMACHER, HORTICULTURIST
SANDWICH, MASS.

15,000 SPECIMEN B&B EVERGREENS

CANADIAN HEMLOCK—sheared, sizes 2 to 6 ft.

JUNIPERS—Pfitzer, Hill's Golden, compacta, Von Ehron, hetzi and hibernica.

TAXUS—andersoni, wardii, hicksii, hatfieldii, brownii, media, wymani and cuspidata. Landscape sizes up to 3 ft.

Write for prices.

Loaded to trucks F.O.B. nurseries.

HUMPHREYS LANDSCAPE SERVICE

MT. STERLING, KY.

Phone: 547

CHINESE CHESTNUT TREES in all popular sizes for retail sales. Lining-out stock in 1 and 2-year-old, from 6 to 24 inches.

THE GOLD CHESTNUT NURSERY

Wholesale Grower

COWEN, WEST VIRGINIA

Trade list mailed on request.



CALIFORNIA ASSOCIATION OF NURSERYMEN

ELMER J. MERZ, Executive Secretary
304 MITAU BUILDING SACRAMENTO 14, CALIF.

PENINSULA CHAPTER

About 150 nurserymen and their guests attended the Christmas party of the Peninsula chapter of the American Association of Nurserymen December 8 at Adobe Creek Lodge, Los Altos, Calif. They enjoyed a steak dinner and the music of the Los Altos accordion band and Bob Berry and his orchestra. The nurserymen sang carols under the leadership of Richard Spies, San Francisco. Lloyd Nelson, Schmiedell & Co., San Francisco, was the featured soloist.

During the evening, Santa Claus, in the person of William Schoenfeld, Germain's, San Jose, distributed gifts brought by the nurserymen and exchanged at the party. Ernest Esch, founder and moderator of the chapter's TV program was presented with a fine new casting rod and reel.

The visitors' list included many out-of-town nurserymen: Paul Doty, Portland Ore.; Hugh Wallace and Leo Ihle, and their wives, Birchlane Farms, San Rafael; Jack Schneider, Orchard Nursery, Lafayette, and Mr. and Mrs. Leo Silva, Sunset Nursery Co., Oakland.

Arrangements for the party were made by John Coulter, Coulter's Nursery, San Carlos, and Jack Delehanty, Bandini Distributing Co., San Jose, assisted by John Edwards, John Edwards Nursery, Palo Alto, and Richard Spies, who acted as master of ceremonies. Alec Lawrence, Best Fertilizers, Oakland, supplied carnation corsages for the woman guests. C. J. B.

SAN JOAQUIN CHAPTER

A meeting of the San Joaquin Valley chapter of the California Association of Nurserymen was held at the Tioga hotel, Merced, November 17, 1955. The group was entertained by Schuyler Reid Hafely, registered landscape architect, Modesto, Calif., who reviewed the subject, "Thoughts of a Landscape Architect." He called attention to plant material suitable for the San Joaquin valley that is not being used and other material that is not being used to full or proper advantage.

President Ivan Stribling intro-

duced guests from the California Nursery Co., Niles, and Wayside Gardens, Turlock.

Chapter director William Moffett, of the Mount Arbor Nursery, Gustine, briefly discussed highlights of the past annual directors' meetings.

The next meeting, which was to be the annual Christmas party, was announced for the Towne and Country lodge, Fresno, December 13.

M. E. Gardner, Sec'y.

CENTINELA CHAPTER PARTY

The December business meeting of the Centinela chapter of the California Association of Nurserymen

was replaced by its annual Christmas party for children held December 9. Over 200 persons attended, 100 of whom were children. A family charge of \$1 was made, and there were gifts for the children, coffee and cake for all and entertainment by Jiggles, the clown of the Pinkie Lee television show, assisted by Frank Jenks, star of television and motion pictures. Wholesalers of nursery and garden supply lines donated all the gifts for the children.

George L. Schmidt, Sec'y.

SAN DIEGO CHAPTER

Nearly 60 members and guests attended the November 17 meeting of the San Diego chapter of the California Association of Nurserymen. The Acapulco room at Michael's, Lemon Grove, was the scene of the gathering.

Highlight of the evening was the installation of the new officers and directors for 1956, by C. A. N. Vice-



New Holly

ILEX CRENATA CONVEXA BULLATA

Lining-out stock—pot-grown

In 2 1/4-in. pots

\$17.50 per 100 \$158.50 per 1000

also available: *Ilex Cornuta* (seedlings and cuttings)

Ilex Cornuta Burfordi (cuttings)

2 1/4-in. pots: **\$15.00 per 100**

120.00 per 1000

Our monthly catalog now shows over 500 varieties available. Write for your free copy!



MONROVIA NURSERY CO.

P.O. BOX Q, AZUSA, CALIFORNIA

Write for List Today

H & S Personality Roses
Bred for American Gardens

HOWARD & SMITH, INC.
Montebello, Calif.

Finest Quality

CAMELLIAS—ROSES
RETICULATAS—HOLLY

(Northern California Grown Roses)

DESCANSO DISTRIBUTORS, INC.
Wholesale Growers
Pipeline & Walnut Sts., CHINO, CALIF.

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president Dave Cunningham. The new officers are president, Frank Dawson; vice-president, Charles Dibbs; executive treasurer, Alfred F. Antonicelli; corresponding secretary, Fred B. Otto; directors, Walter Anderson, Moto Asakawa, Marshall Simmons, Frank Moennig and Philip Seeman, and state directors, George James and Ernest F. Otto. Also in attendance was C. A. N. Executive Secretary Elmer Merz.

Donald Perry, C. A. N. president, talked on "The Future of the Nursery Industry and How We Might Improve It," to top the evening's program. Fred B. Otto, Sec'y.

BUYS NEW SALES SITE

Carlton Nursery Co., Forest Grove, Ore., has purchased an acre of ground on Canyon road, near Beaverton, Ore., where, according to President Lyle P. Brooks, the firm will establish a retail garden store and nursery salesyard. The property includes more than 100 feet of frontage along the road and a building 38x46 feet, which will be extensively remodeled. More than \$40,000 will be invested in the location, it has been reported. Opening is planned for sometime in February.

Started at Carlton, Ore., in 1890, the firm has maintained its main office and salesroom on Baseline road just east of Forest Grove, Ore., for several years, with growing fields in the Gales creek valley.

EGGER OPENS BRANCH

Egger & Son Nurseries, Mill Valley, Calif., have opened a branch at Kentfield, Marin county, Calif. James Egger, who operates the business, started by his father, E. L. Egger, is a member of the Marin conservation league and has served for three years as the general manager of the Marin art and garden center fair.

The staff of the new nursery branch will include Robert Slyter, Larkspur, manager, who has been with the firm at Mill Valley since 1950; Ford King, Kentfield, chief salesman, former manager of the Cutterback Nursery, Napa, and a landscape contractor, and Peter Gomez, former owner of the Minerva Nursery, Point Reyes.

The new branch provides two parking areas and paths to facilitate viewing the stock. Herman E. Hein, Marin landscape architect, designed the setting to fit in as a part of the surrounding countryside. The main building is ranch style, of adobe and redwood, and a low California shake



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O. L. WEEKS

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ONTARIO, CALIF.



**CALIFORNIA'S
Best Source of
GOOD ROSES**



Sturdy, two-year-old plants, grown in the Puente Valley now recognized as the leading rose-growing section in California.

Featuring a complete list of Hybrid Teas, Climbers and Floribundas, including the newest and finest A.A.R.S. Award Winners.

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MONTEBELLO ROSE CO.

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MONTEBELLO, CALIF.
Phone Parkview 1-1721

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ROSE HANGER, IN COLORS,
AVAILABLE ON REQUEST.

A. McGILL & SON

FAIRVIEW, ORE.

Wholesale only

**FRUIT TREE SEEDLINGS
FLOWERING ORNAMENTAL TREES
SHADE TREES**

**Constant Vigilance Results
in Quality Stock**

Combination carloads to eastern
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Euclid 23, O.

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- Skillfully grown
- Carefully harvested
- Generously graded
- Expertly packed

Write, phone or wire for Surplus List.

MATLIN'S NURSERY

Wholesale Rose Growers

Corner Ely and Fern

ONTARIO, CALIF.

roof covers nearly an acre and one-half for shade for plants and protection from weather for visitors. Lath houses are finished in gray for a rustic effect, as well as to reflect light for plant growth. House plants are being grown in a new conservatory.

NORTHWEST AID PROMISED

The members of the Northwest Washington Nurserymen had the recent freeze to discuss at their meeting December 6, at Everett, Wash. An hour before the meeting the news arrived that the governor had declared Washington a disaster area, and financial relief was assured for those nurserymen who suffered losses because of the freeze November 11 to 14.

James M. Tolliver, secretary to Jack Westland, congressman for the second district, was present to give assurance that Mr. Westland was working in nurserymen's interests at Washington, D. C.

Leon Barnes, small business administrator, spent most of the evening answering questions and explaining the national financial relief. Loans are available to nurserymen in the area who can show actual damage to stock from the disaster and who are unable to obtain loans from a bank.

Loans are limited to the extent of the damage, and evidence of loss must be retained. Loans are made for a term not to exceed 10 years and carry a 3 per cent interest rate. A financial report for the past three years (including 1955) is necessary. Inventory to be reported is of the

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WONDER COLLECTION: One hundred all different.

\$5.00 per 100, \$45.00 per 1000.

CANADIAN SPECIAL: More durable kinds, 20 varieties.

\$5.00 per 100, \$45.00 per 1000.

SUPER SELECTION: Largest from the shipping flats.

\$10.00 per 100, \$90.00 per 1000.

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Rt. 1, Box 900 CARLSBAD, CALIF.

TREE PEONIES

No better quality anywhere. Wide selection of named, field-grown grafts.

LAKE SAMMAMISH EVERGREEN NURSERY

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EAST STANWOOD, WASH.

OREGON-GROWN ROSES PETERSON & DERING SCAPPOOSE, ORE.

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Write Now for Catalog
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ROSES — Field Grown

Patented and Nonpatented.

Finest in roses since 1935.

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P. O. Box 261 GRESHAM, ORE.

DOTY & DOERNER, Inc.

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WHOLESALE

GENERAL NURSERY STOCK

CUTTING-GROWN RHODODENDRON LINERS

Hardy and semihardy varieties.

Quality only

VAN VEEN NURSERY

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PORTLAND 6, ORE.

DAPHNE ODORA

Rooted cuttings ready to be transplanted at \$100 per 1000, F.O.B. Troutdale.

Send for list.

J. B. WHALLEY

Rt. 2, Box 683 TROUTDALE, ORE.

day before the frost, and the value is determined on the cost of replacement.

The meeting date of the group has been changed to the first Monday of the month, which makes an occasional visit with the allied nurserymen of the Seattle area possible.

M. B. F.

WASHINGTON DISASTER AREA

November's 4-day freeze, beginning November 11, resulted in the greatest freeze damage ever recorded for the western part of Washington state, according to a report made by Governor Arthur B. Langlie in a request to President Dwight Eisenhower to have Washington state declared a disaster area.

While actual temperatures were not much below the average winter lows, damage occurred because the autumn had been late and unusually warm. Nothing was anywhere near dormant. Even those deciduous plants that ordinarily drop their leaves early were still in full leaf and in an active growing state.

Larry Krause, president of the Washington State Nurserymen's Association, immediately appointed a "disaster committee," which is headed by Bryan Taylor, Taylor Nurseries, 4647 Union Bay place, Seattle. Serving with Mr. Taylor are Paul A. Mayer, Wedgewood Gardens, 7744 35th street, northeast; Clarence Prentice, Prentice Nursery, 9252 East Marginal way; John B. Strander, Strander Nurseries, 13310 Interurban avenue, south, all of Seattle, and Stanley Walters, Walters Nursery, 2321 West Stewart, Route 4, Box 57, Puyallup.

Losses

Early December estimates placed damage to the nursery industry at \$1,025,000 for plants either killed outright or made unsalable. A total of 105 nurserymen were estimated to be affected. Seed crops were wiped out, according to Governor Langlie, resulting in a half-million-dollar loss to the growers. Another \$250,000 damage was suffered by plant breeders.

Hardest hit were the berry growers. Damage to berry crops was estimated at \$9,485,120. Approximately nine tenths of the 10,500 acres planted to strawberries in this area will have to be replanted. No commercial crop of strawberries or raspberries can be expected next year.

Harold Hopkins, Hopkins Nursery, Route 2, Box 714, Bothell, stated that not only have nurserymen suffered loss of over 50 per cent of their stock and all of their better,

Elmer Roses

Introducer of the

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BEST WISHES

FOR THE

1956 SEASON

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See our representative, Mr. Hal Gilbert, if you attend the convention in Chicago, January, 1956.



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For the Finest . . .

"Snow-Field" Quality

TREE ROSES

- IXL double-budded tree roses
- These varieties available for immediate delivery:

Grade No. 1 and 1½

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| Carrousel | Golden Scepter | Heart's Desire | Goldilocks |
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| Charlotte Armstrong | Sutter's Gold | Circus |
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| Etoile de Hollande | Kaiserin A. Viktoria | La Jolla |
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SNOW-FIELD TREE ROSES

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Northern California Grown

ROSES

2-year, No. 1

Patented Varieties

Baby Blaze (floribunda)

Fred Howard

Hedda Hopper

K. T. Marshall

Mojave

Dr. J. H. Nicolas (climber)

Tiffany

Circus, A.A.R.S. (floribunda)

Glorious

Jiminy Cricket

Mirandy

Queen Elizabeth

King Midas (climber)

Nonpatented — 50c

Else Poulsen (floribunda)

Frensham (floribunda)

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Also

Viburnum Carlesi

Field-grown — bare-root

1 1/2 to 2 ft. — \$1.10

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H.G. Benckhuysen. Boskoop. Holland

Azaleas, Rhododendrons, Magnolias, Peonies, Ornamental Trees and Shrubs, Perennials — Quality Stock in All Leading Varieties. Trade catalog on request.

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BOSKOOP HOLLANDOriginators of Azalea Vuykiana.
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Reliable exporters for general nursery stock since 1922.

Catalog on application.

HEEMSKERK & CO., Bulbs
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EVERGREEN LINERS

Write for new color catalog, listing over 350 varieties of Evergreens, Azaleas, Camellias, Heathers, Dwarf Rhododendrons and Perennials.

MITSCH NURSERY
AURORA, ORE.

salable plants, but he believes that the loss of potential sales will be a handicap to nurserymen for many years to come.

Even native rhododendrons were hard hit, and most rhododendron hybrids are severely damaged. Possibly some may branch from below, but all top growth is gone. Azaleas, both deciduous and evergreen, seem more severely hit. Acuba, Daphne odora, photinia and camellias are so badly damaged as to be an almost total loss.

Flowering fruit trees appear to be a total loss. Hydrangeas, many viburnums and weigelas have suffered drastically.

Plans under way for the winter convention of the Washington State Nurserymen's Association, to be held at the Benjamin Franklin hotel, Seattle, January 23 to 24, are going on without modification. Practically everyone among the growers expects to attend.

M. B. S.

ORTHO PRODUCT PREMIUM

Retail nurserymen who handle products of the California Spray-Chemical Corp., manufacturer of the Ortho line of pest controls, have been given a new and unique premium plan to offer their customers. The pesticide makers asked a leading designer of women's fashions to create exclusively for them a dress for gardening wear, which will be offered to woman gardeners through dealers for \$6.95, said to be about one-third its retail value, when accompanied by a sales slip showing purchase of any Ortho product. The dealer is not involved in handling money or the smock itself. He has only to supply the customer with an order coupon, and the dress is sent directly to her.

The Ortho garden smock has been designed by Claire McCardell as a slim-lined wrap-around dress that is practical for any gardening chore and attractive enough to wear shopping or for hostessing at a patio party or barbecue. The dress comes in three sizes, small, medium and large, and is made of Sanforized denim, easy to wash and iron. Kangaroo pockets will carry all kinds of gardening paraphernalia.

MONTE VISTA NURSERY, on Pennsylvania avenue, near Travis Access road, Fairfield, Calif., was opened last November by Henry Freudenberg, owner, and Kensell Williams, manager. Landscape service will be featured, along with the sale of plants and supplies.

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ARIZONA CONVENTION

[Continued from page 15]

guire, of the Landmark Engineering Co. Technical aspects in terms of total precipitation per square foot of cultivated area as related to pipe and nozzle size were pointed out. Meter size often governs the efficiency of the system as much as the pressure, and a small meter may increase the number of necessary valves appreciably, as well as the expense and time involved.

The tendency is to overwater, which wastes water through percolation and runoff. Overwatering 15 minutes per day with the average home system will waste 5,000 gallons of water per month. This is expensive and wasteful in the southwest. Automatic systems, scientifically designed, will increase efficiency by operating during periods of the day when city water mains are not at their peak of demand use.

Another innovation is the development of satisfactory plastic pipe. This pipe has more open center diameter per size of pipe than a comparable iron pipe of the same overall diameter, and it will carry water five times further than iron pipe at the same loss due to friction.

Pools

Swimming pools are an increasing factor in the landscape plans of homes in the southwest. This is due to the climate and construction techniques which have reduced the initial cost. Robert Vance, of Whitaker Pools, Tucson, outlined considerations in pool design. The selection of outline is based on aesthetics or function or a combination of both. Size is governed by space available and the pocketbook. Location is based upon having as much sun as possible and avoiding trees that may deposit droppings in the pool, especially the pepper and eucalyptus. Convenience to shade and sitting area in the summer is important, as is convenience to sun and sitting area in the winter.

Dr. Leland Burkhart, head of the University of Arizona's department of horticulture, summarized the development of chelate materials in the United States and their application to the problem of iron chlorosis in plants used for landscape purposes. Materials other than those originally used have been developed for the alkaline soils of California and Arizona. Experimental work has pointed up their value on commercial plantings of citrus, roses, grapes and deciduous fruits. There is evidence that increased quantities and qual-

Don't Let Peach Growers Gamble with Nematodes!


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... proven best in all types of soil!

Play safe with your customers! Insure them high production by selling the world's only patented peach rootstock—Stribling's S-37!

In sandy soil or heavy soil, S-37 thrives... gives positive protection against nematodes. To guarantee yourself happier, more prosperous customers, don't sell any peach, almond or nectarine variety until you see Stribling's first about S-37.

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Lilies
Daffodils
Iris

ity of fruit are gained by the use of chelates on green plants not showing evidence of the yellow leaf symptoms of iron deficiency.

All ornamental plants respond if the chelate is applied in the correct manner. Chelates have a future. Amounts and methods of applications need to be resolved, and the price will be reduced with increased demand and production.

"Fact and Fiction on the Pack-

HOLLAND-GROWN NURSERY STOCK

Rhododendrons
Azaleas
Deciduous Shrubs
Choice Trees
Perennials

RARE and NEW PLANTS

F. J. GROOTENDORST & SONS
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Ask for 62-page catalog.

age," the topic of Dr. Wallace H. Fuller, microbiologist in the Arizona agricultural experiment station, gave a caution to the trade about "bag magic"—liquids, fertilizers and other

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CHOICE YAKIMA VALLEY GROWN NURSERY STOCK

40 Varieties of

Flowering Crab Apples

Fruit Tree Seedlings

Fruit Trees

Roses

Shade and Ornamental Trees

Deciduous Shrubs
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General Ornamental Stock

Our wholesale price list sent
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Let us quote on your requirements.

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Green Ash
Cutleaf Birch
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Honey Locust
Red Maple
Silver Maple
Russian Mulberry
Flowering Plum
Poplars
Willows

Azalea Mollis

Prunus Besseyi, bushy, 2 and 3-yr. plants

ROSES

Many other items

RICH & SONS NURSERY
Rt. 4 HILLSBORO, ORE.

ROSES

OLD and NEW

Fine-quality, two-year plants
budded on Multiflora in over
250 varieties

Send for list.

MT. HOOD NURSERY

Rt. 2, Box 96
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compounds for which claims are made that are not in line with present scientific knowledge.

Guides to separate fact from fiction regarding fertilizer products on the market are (1) What independent research group has investigated the product? If none has done so, and the product has been on the market for two years or more, beware. (2) What type of experimental data is available? (3) Does the product fit local climate and soil conditions? (4) Does the product show the kind and concentrations of materials in a scientific manner?

Lost Customers

In retail selling, the advertising dollars should suit the needs of the individual business. This statement was made by George Duncan, advertising consultant, who further stated that of the last 100 customers the average business has lost, 1 died, 5 were referred elsewhere, 14 had complaints, 3 moved and 9 carried their trade elsewhere due to price, but 68 were lost because of the seller's indifference. This indifference is shown in failure to advertise in a vigorous manner. Last year nurserymen spent \$4,000,000 nationally in magazine, newspaper, radio and television advertising. Locally the rank is newspaper first, television second and radio third.

Advertising leverage comes through timing and merely stimulates buying. One must have the right item at the right time and the right price. The program should be (1) Set up a budget, (2) follow the buying pattern, (3) see the customer's problem and (4) offer the answer in plain language.

After Mr. Duncan's talk, the annual business session and election of officers were held.

The group met again in the evening for a party at which the Capital Feed & Seed Co., Phoenix, was host at the Arizona Inn. Orchids for the ladies were presented by Merrick Nurseries, Pico, Calif. Entertainment during the dinner was by mariachis, the wandering minstrels of Mexico.

Second Day's Program

Thursday the conference reconvened at 9:30 a. m. to hear an address by Dr. Walter H. Phillips, of the University of Arizona botany department, on the basic concepts of water use and movement in plants. This talk was illustrated by the use of a potometer and projector and a branch of a eucalyptus tree. Air bubbles were introduced into a stream of water, which was activated by transpiration of the eucalyptus

MAHONIA AQUIFOLIUM

(Oregon-Washington Holly-Grape)

A very beautiful evergreen shrub with large glossy leaves and yellow flowers conspicuously appearing in the spring and followed by dark blue berries; a most satisfactory broad-leaved evergreen for any place in the United States.

1-yr. seedlings, field-grown, row-run,
\$5.00 per 100, \$35.00 per 1000.

TERMS—Check is requested before shipment or will ship C.O.D. if preferred. All orders shipped via railway express, same day they are dug.

Will ship via parcel post if postage is included with order.

No order too large or too small.

Place your order now for spring, 1956, delivery.

CHENOWETH'S
MOUNT VERNON NURSERY
MOUNT VERNON, WASH.

MILTON NURSERY CO.

77th Year

MILTON-FREEWATER, ORE.

Flowering, Ornamental, Shade
Trees, Evergreens and Shrubs

Fruit Tree Seedlings and
Angers Quince Rooted Cuttings

Combination carlots for eastern
distributing points during shipping
season.

Send us your Want List.

EVERGREEN SPECIALS

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| Pyramidal Arborvitae, 3 to 4 ft. | Each \$1.75 |
| Woodward Arborvitae, | |
| 12 to 15 ins. | 1.00 |
| Alum Cypress, 30 to 36 ins. | 1.50 |
| Pfitzer Juniper, 18 to 24 ins. | 1.50 |
| Irish Yew, 30 to 36 ins. | 2.00 |
| Rhododendron Hybrid Seedlings, | |
| 8 to 12 ins. | .25 |
| 12 to 15 ins. | .35 |

Complete assortment of lining-out
stock, fruit, shade and flowering trees.
Write for special price list.

BENEDICT NURSERY CO.
735 N. E. 87th Ave., PORTLAND 16, ORE.

WE SPECIALIZE IN LARGE TREES

Regular transplanted. Rare stock.
Free of noxious weeds. In the business
to stay.

F. A. DOERFLER & SONS
250 N. Lancaster Dr. SALEM, ORE.
Phone 22549

branch, and the movement of the bubbles was projected upon a screen. Charts and slides called attention to the quantity of water used by various plants in desert areas.

Dr. Alice Boyle, plant pathologist, summarized disease incidence on ornamental plants for the year 1955 and reported two new diseases appearing for the first time in Arizona. Both were rusts, one on African daisy and the other on Merion bluegrass.

The closing talk concerned the five points of individual salesmanship and was simply titled "The Five Points," by Al Evans, of the Capital Feed & Seed Co. In order to put a sale across: (1) Get the listener's attention, (2) explain what you are talking about, (3) tell why it is so, (4) illustrate the point and (5) ask for action.

An "autopsy" of current problems was discussed, with questions offered from the floor. The panel was moderated by Joe Folkner, of the horticulture department, and panel members were Leland Burkhart, Dr. Rupert B. Streets, Dr. Wallace H. Fuller and Dr. Walter Phillips, all of the University of Arizona. Al Evans and Lewis Whitworth, assistant county agent, Phoenix, Maricopa county, were also members of the panel. In the hour and one half that the discussion went on, approximately seven major problems, with their various aspects, were discussed.

CONVENTION TOUR

William J. Smart, transportation chairman of the American Association of Nurserymen, has announced that 75 per cent of the accommodations available for the special A. A. N. convention tour train to Los Angeles, Calif., next July have been sold. Bedrooms for two persons are completely sold out, but there remain a few lower berths, roomettes, compartments and drawing rooms. Mr. Smart states that only 14 cars can be put in the special train; so it is urgent that any persons who are contemplating joining the group should make reservations at once.

The Milwaukee railroad tour train will leave from the Union station, Chicago, at 10:15 a. m., CST, July 6. Arriving at St. Paul, Minn., in the evening, the party will be joined by other travelers, and dinner will be served in the dining cars. From St. Paul, the train goes to Winnipeg, Man., arriving the morning of July 7 and then going on through Canada's wheat country to Edmonton, and then to Jasper, Alta., where

there will be a 150-mile sight-seeing tour to the Columbia ice fields, with a return for dinner at Jasper Park lodge, July 8.

From Jasper, the party will travel through the Canadian Rockies July 9 to Vancouver, B. C., and then on to Seattle, Wash., July 10, where the group will detrain for the day to enjoy a 15-mile tour of Lake Washington boulevard, luncheon provided by the Washington State Nurserymen's Association and a trip across Puget sound to Bremerton.

There will also be a full day's stopover at Portland, Ore., July 11, where facilities will be provided for tours and visiting nurseries, as well as a social affair offered by Portland nurserymen. July 12, the traveling will be through northern California. Friday, July 13, the party will reach Fresno, where there will be a stopover for a trip to Yosemite national park. Next morning, July 14, the party will arrive at Los Angeles.

The homeward trip after the convention, beginning July 19, features

a full day stopover to view the Grand Canyon of Arizona, with luncheon and dinner at the El Tovar hotel, July 20. The train will leave Grand Canyon in the evening and arrive at Chicago at 11 a. m. Sunday, July 22, to conclude the tour.

Additional details can be obtained from W. J. Smart, Dundee, Ill.

WESTERN NURSERIES, INC., San Jose, Calif., has been incorporated as a \$400,000 concern by directors Clyde H. Stocking and George S. Haight, San Jose.

ORANGETHORPE NURSERY, 7342 Orangethorpe avenue, Buena Park, Calif., has been opened by Joseph Katayama and his son Kenneth.

MIKE'S NURSERY, 14036 Van Nuys boulevard, Pacoima, Calif., recently moved from smaller quarters on Victoria boulevard at North Hollywood. Roses and camellias are a new specialty.

PORTLAND WHOLESALE NURSERY CO.

5050 S. E. STARK ST.

Avery H. Steinmetz

PORTLAND 15, OREGON

Paul E. Van Allen

Quality Stock

CONIFERS AND BROAD-LEAVED
EVERGREENS
SHADE AND FLOWERING TREES
FRUIT TREE SEEDLINGS
FRUIT TREES
DECIDUOUS SHRUBS
VINES AND BULBS
PORTLAND ROSES
NURSERY SUPPLIES

Look below for partial list of varieties still available. FINEST QUALITY GUARANTEED.

Combination carloads to midwest and east during February and March.

Distributors for Goodrich Budding Strips, Ra-Pid-Gro fertilizer, Rite-in-the-Rain labels and Wilt-Pruf.

Write for our Catalog

Dwarf Apple
Small Fruits
Seedlings
Green Ash
Cut-leaved Birch
European White Birch
Box Elder, silver variety
Catalpa speciosa
Bechtel Flowering Crab
Chinese Elm
Camperdown Elm
Paul's Scarlet Thorn
Honey Locust
Globe Locust
Idaho Pink Locust
Japanese Lace-leaved Maple
Palmetum Rubrum Maple
Fausen's Black Maple
Norway Maple
Red Maple (rubrum)
Schwedler Maple
Silver Maple
Red and Scarlet Oak

Plane Tree, European
Redbud (canadensis)
Sweet Gum, S. R. and
B&B
Tulip Tree
Willow
Azalea mollis
Azalea Altacularensis
California Privet
English Privet
Lodense Privet
Arbervitae, 12 varieties
Juniper, 22 varieties
Spruce, Dwarf Alberta
Spruce, Colorado Blue
and Green
Spruce, Norway

Taxus cuspidata (Japanese)
Taxus capitata (Japanese)
Taxus brevifolia
Taxus browni
Taxus hatfieldi
Taxus hicksii
Taxus, Irish green and golden
Taxus, English, upright
Boxwood
Heather
Nandina domestica
Clematis, 22 varieties
Wistaria, 7 varieties
Peonies

DWARF APPLE TREES

Write us for a list of dwarf apple trees on Malling IX and VII.

CLASSIFIED ADS

Rate: 35 cents per line, each insertion.

Minimum order, \$3.50

Instructions for the next issue must be received by Friday, December 30.

Forms for February 1 issue will close Friday, January 13.

AZALEAS

AZALEAS
CASH AND CARRY ONLY. NO DELIVERY.
Sizes ranging from 4 ins. to 8 ft.
(Not all sizes in all varieties.)
Lath house and field-grown.
Quality, priced right.
(Prices available on request.)

INDICA
ELEGANS PRIDE OF MOBILE
FORMOSA FIELDS WHITE
OMURASAKI SOUTHERN CHARM
GEO. L. TABER LAWSAL
DUC DE ROHAN FITTATA FORTUNEI
JUDGE SOLOMON INDICA ALBA

KURUME
SNOW HEXE DE
PINK PEARL SAPPHELARE
HINODEGIRI FIREFLY
HINODEGIRI SPORT GARDENIA
SALMON BEAUTY SUPREME
CHRISTMAS CHEER HINO-SUPREME
ORANGE CORAL HINO-CRIMSON
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PERICAT
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SUPREME PINK PERICAT
MME. PERICAT DAWN
TWENTY GRAND

DELHAVEN GARDENS AND NURSERY
Route 1 Bayside, Va.
5 miles east of Norfolk
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DECIDUOUS AZALEAS

Extremely hardy, seedling grown.
Per 100 Per 1000
MUCRONCLATUM, early purple;
3-yr., XX, field, 10 to 15 ins. \$60.00 \$550.00
VASEYI, pink;
3-yr., XX, field, 9 to 10 ins. 55.00 500.00
MOLLIS, orange-red;
3-yr., XX, field, 6 to 10 ins. 40.00 350.00
2-yr., XX, liners, 4 to 6 ins. 25.00 220.00
SCHLIPPENBACHI (Royal), pink;
2-yr., X, liners, 3 to 4 ins. 25.00 220.00
ARBORESCENS, white;
2-yr., XXX, budded B&B at nursery.
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Beetle zone only. Minimum mail order \$20.00.
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For immediate or spring delivery. Outdoor-grown; all heavy budded stock, for forcing or landscape.
In varieties: Hinodegiri, Coral Bells, Salmon Beauty, Snow, Pink Pearl, Hino-Crimson. Per 100.
3 to 5 ins. ... \$35.00 8 to 10 ins. ... \$125.00
6 to 8 ins. ... 45.00 10 to 12 ins. ... 150.00
8 to 10 ins. ... 55.00 12 to 15 ins. ... 175.00
DIRKMAAT AZALEA FARM
516 Stevens Ave. Ridgewood, N. J.

HARDY AZALEAS

FOR SPRING DELIVERY
Over 200,000, all sizes, 6 ins. to 3 ft., following varieties: Amoena, Coral Bells, Hinodegiri, Led. Alba, Snow, Maxwellii, Kaempferi, in 6 varieties: Orange Beauty, Kurume, Rose Bud, Addy Wren, Rose Greely and Favorite.

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Jericho Turnpike, Middle Island, L. I., N. Y.

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Bushy stock, 3-yr., TT. Per 100
Azalea mollis, 4 to 6 ins. ... \$15.00
6 to 8 ins. ... 20.00
8 to 10 ins. ... 25.00
Free packing if cash accompanies order, or one fourth with order, rest C.O.D.
LITTLE MOUNTAIN VIEW NURSERIES
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HINO-CRIMSON

Thousands of beautiful Hino-Crimson and other evergreen Azaleas. Dense, bushy, well-budded—for landscape planting and forcing. Order now, to be sure of getting what you want, as there never are enough to meet the demand. Write for list.

THE TANKARD NURSERIES, Exmore, Va.

5000 HINODEGIRI AZALEAS

Beautiful, heavily budded, peat-bed grown. What roots!
6 to 8 ins. 8-10 10-12 12-14 14-16
\$0.65 \$0.90 \$1.25 \$1.40 \$2.00
Packing free, F.O.B. San Marcos.
SARVER NURSERY CO.
San Marcos, Calif.

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We have a fine selection of Azalea cuttings, all hardy varieties, \$50.00 per 1000; 1-yr. spring liners, May 1 delivery, \$125.00 per 1000.

BAIER LUSTGARTEN NURSERIES
Jericho Turnpike, Middle Island, L. I., N. Y.

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Gable hybrids, Hino-Crimson, Kaempferi hybrids, mollis, pontica hybrids, Sherwoodi, Vuykiana hybrids. Send for descriptive list and prices.

JOHN VERMEULEN & SON, INC.
Neshanic Station, N. J.

Azalea Hinodegiri, potted and in field.
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STRAWBERRY PLANTS

Klondike, Blakemore, Dunlap, Missionary, \$16.00 per 1000, No. 1 Raspberry plants, Latham and Newburg, \$50.00 per 1000. Write for new prices on large amounts.

McNeal Berry Nursery, Hamilton, Mont.

Strawberry and Raspberry plants, grown in western Montana where climate and soil is the best for strong, healthy plants. Superfection and Gem, \$14.00 per 1000. Streamliner, \$16.00 per 1000. No. 1 Raspberry plants, Latham and Newburg, \$50.00 per 1000. Write for new prices on large amounts.

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Ooltewah, Tenn.
Fred Leamon, Owner and Prop.

Strawberry and Raspberry plants, grown in western Montana where climate and soil is the best for strong, healthy plants. Superfection and Gem, \$14.00 per 1000. Streamliner, \$16.00 per 1000. No. 1 Raspberry plants, Latham and Newburg, \$50.00 per 1000. Write for new prices on large amounts.

Strawberry plants, certified, grown from virus-free stock. Blakemore, Dixieland, Masterton, \$7.00 per 1000. J. A. Pack Nursery, Rt. 1, McMinville, Tenn.

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HOLLAND-GROWN BULBS

Darwin Tulips, first size, 11 to 12 cm., 5c each. Jubilee (blue), Wm. Per (red), Pride of Haarlem (deep rose), Yellow Giant (yellow), Princess Elizabeth (rose), Queen of the Night (blue-black), Wm. Copland (lavender), Bartington (dark red), Clara Butt (pink).

PARROT TULIPS, 7½c each.
Blue Parrott (blue), Fantasy (rose, inside salmon), Orange Favorite (orange), Sunshine (bright yellow), Red Champion (red), Black Parrott (blue-black).

REMBRANDT TULIPS, 7½c each.
Cordell Hill (variegated white and red).
TULIP POSTERIANA, 10c each.
Red Emperor (large scarlet).

COTTAGE TULIPS, 7½c each.
G. W. Leak (crimson and orange), Carrara (white), Marjorie Bowen (pink and salmon), Princess Margaret Rose (yellow edged scarlet).

BREEDER TULIPS, 5c each.
Dillenburg (orange-scarlet).
TRIUMPH TULIP, 5c each.
Kansas (white).

HYACINTHS, bedding size, 15 to 18 cm., 10c each. Pink Pearl (deep rose), La Victoire (carmine-red), L'Innocence (pure white), Bismarck (sky-blue), King of the Blues (deep blue), City of Haarlem (golden yellow).

CROCUS, blooming size, 7 to 8 cm., 4c each. King of the Blues, King of the Whites, Golden Yellow, Striped.

MUSCARI (Grape Hyacinth), 2c each.
SCILLA (Camp. mixed), 2½c each.
GIANT YELLOW TRUMPET ADONIS, 6½c each. King Alfred, Solario, Golden Harvest, Music Hall.

DUTCH IRISES, 8 to 9 cm., 5c each. Golden Harvest, White Excelior, Wedgwood.

BENTON COUNTY NURSERY CO., Inc.
Dept. 8 Rogers, Ark.

GLOXINIAS

The best commercial varieties.
Per 100 Per 1000
1¼ to 1½-in. ... \$ 7.50 \$ 45.00
1½ to 2-in. ... 14.00 130.00
2 to 2½-in. ... 22.00 195.00
Mammoth 2½-in. UP ... 35.00 300.00
Minimum order \$5.00.
LOUIS DANK

1170 Broadway New York 1, N. Y.

CANNAS

The lovely, lower-growing "GRAND OP. ERA SERIES" with their giant heads and sparkling, soft pastel colors.

AIDA, soft pink
LA BOHEME, peach-pink
LA TRAVIATA, old rose
MME. BUTTERFLY, shell-pink
MIGNON, orange tones
RIGOLETTO, clear yellow
5 to 25 of a variety, 30c.
100 or more, 27½c.

SARVER NURSERY CO.
San Marcos, Calif.

GIANT TUBEROUS BEGONIAS

Double-flowering Camellia-type, 8 colors.
1¼ to 1½-in. ... \$ 5.50 per 100, \$45.00 per 1000
1½ to 2-in. ... 8.50 per 100, 75.00 per 1000
2-in. up ... 12.50 per 100, 115.00 per 1000
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Double-flowering Carnation-type, 6 colors.
1¼ to 1½-in. ... \$ 7.50 per 100, \$60.00 per 1000
1½ to 2-in. ... 11.50 per 100, 100.00 per 1000
2-in. up ... 15.00 per 100, 140.00 per 1000
Minimum order \$5.00.

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FANCY-LEAVED CALADIUMS

Over 50 of the finest commercial varieties, fully upgraded.
100 1000
No. 3, ¾ to 1¼-in. ... \$ 7.00 \$ 60.00
No. 2, 1 to 1½-in. ... 12.00 110.00
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Jumbo, 2½ to 3½-in. ... 25.00 230.00
Mammoth, 3½-in. up ... 37.00 350.00
Minimum order \$5.00.
Send for our color chart of 44 varieties.

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1170 Broadway New York 1, N. Y.

A NEW BULB LIST EVERY MONTH!
WHOLESALE ONLY!
COMMERCIAL VARIETIES OF FLOWER
RULES ALL THROUGH THE YEAR!
OUR LIST IS READY FOR THE ASKING.
MAILINGS EVERY DAY!
NEW GLADIOLUS
AND OTHER BULB LISTINGS.
READY NOW.
HARTFORD FARMS, HARTFORD, MICH.

CAMELIAS

CAMELIA LINERS

Minimum order, 5 of a variety.
FOR BEST RESULTS
PLANT CAMELIA LINERS NOW.
Pink Perfection, Prof. Sargent,
Victor Emmanuel,
17½c each.

Admiral Nimitz Kumasaka
Alba Plena La Reine, var.
Ann Lindbergh Mme. Chiang Kai-shek
Brilliant Margaret Higdon
Black Dragon Marchioness of Exeter
Ch. Elegans Mary E. M.
Collette Mathotiana Rubra
Debutante Mathotiana Variant
Duchess of Sutherland Nagasaki
Elizabeth Arden Pink Star
Empress Rev. John Bennett
Fanny Bolis September Morn
Gigantea Florence Stratton
Goshu-guruma Victory White
Gov. Mouton White Empress
Gloire de Nantes Woodville Red
Hermes 20c each.

Arelishi Lady Charlotte
Adolph Audusson Lady Vansittart
Adolph Audusson, var. Lila Rosa
Big Beauty Lindsey Neill
Campbell Ashley Magnoliaeflora
Capt. Martin's Fav. Magnoliae Godard
Dorothea Blanche Pearl Harbor
Dr. Tinsler Simeon
Elizabeth Boardman Princess Murat
Eugene Lisse Rose Dawn
Glen 40 Rona Superba
Haku-rakuten Ruth Royer
25c each.

FOR LINING OUT IN FIELD
OR PLANTING IN CONTAINERS.
FLOWERWOOD NURSERY, INC.
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CHRYSANTHEMUMS

HARDY CHRYSANTHEMUMS.
FIELD CLUMPS. New 1954 and 1955 introductions and other favorite varieties, for your winter propagation. Send for list.
HURLEY NURSERY, PAINESVILLE, O.

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COTONEASTER PRAECOX

This is one of the hardest Cotoneasters which went through 20 degrees below zero without any harm. It has large berries like cranberries which color up in the middle of August and remain on until very late fall. It grows rather flat and makes an ideal plant to combine with foundation plantings, especially with ranch-type houses. We can offer the following for 1956:

| | Per 100 | Per 1000 |
|---|---------|----------|
| Strong, 1-year seedlings, branched, 4 to 8 ins. | \$25.00 | \$225.00 |
| Transplants, 2-year, 8 to 12 ins. | 50.00 | |
| Cotoneaster horizontalis, strong 1-year seedlings | 10.00 | 90.00 |
| Cotoneaster divaricata, 1-year seedlings, 6 to 8 ins. | 10.00 | 90.00 |

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| DAISIES, STRONG FIELD DIVISIONS | | |
|---------------------------------|-------|---------|
| Easter Read | 36.50 | per 100 |
| Majestic | 7.00 | per 100 |
| Snow Queen, large, semi-double | 7.00 | per 100 |
| Wirral's Supreme, heavier | | |
| Easter Read type | 25.00 | per 100 |
| F.O.B. San Marcos, Packing free | | |

DAISIES

| | 100 | 1000 |
|-----------------|---------|---------|
| Edgebrook Giant | \$10.00 | \$90.00 |
| St. Shasta | 60.00 | |
| Easter Read | 7.00 | 60.00 |
| May Queen | 4.00 | 30.00 |

EVERGREENS

EVERGREEN LINERS AND CUTTINGS POT-GROWN AND TRANSPLANTS

| | Each, 100 | 1000 |
|---|-----------|--------|
| Arborvitae, American, dark green, 1-yr., 6 to 7 ins. | \$9.22 | \$9.20 |
| Arborvitae, globe Woodward, 5 to 6 ins. | .22 | .20 |
| Arborvitae, pyramidal, 1-yr., 5 to 6 ins. | .22 | .20 |
| Arborvitae, pyramidal, 2-yr., 6 to 9 ins. | .27 | .25 |
| Juniperus Pfitzeriana Armstrong, 1-yr., 4 to 5 ins. | .24 | .22 |
| Juniperus chinensis Pfitzeriana, 1-yr. pots, 6 to 7 ins. | .22 | .20 |
| Juniperus chinensis Pfitzeriana, 2-yr. pots, 6 to 7 ins. | .29 | .27 |
| Juniperus glauca Hetzi, 1-yr., 6 to 7 ins. | .20 | .18 |
| Juniperus glauca Hetzi, 2-yr., 6 to 9 ins. | .25 | .23 |
| Juniperus glauca Hetzi, 3-yr., transplants, 12 to 15 ins. | .35 | .32 |
| Taxus cuspidata, 2-yr., 6 to 9 ins. | .24 | .22 |
| Taxus media No. 8, spreading, 2-yr., 6 to 9 ins. | .24 | .22 |
| Taxus Andersoni, 2-yr., 6 to 7 ins., upright, 2-yr. | .24 | .22 |
| Euonymus alatus compactus, 2-yr., 6 to 7 ins. | .18 | .16 |
| Korean Boxwood, 1-yr., 3 ins. | .20 | .18 |
| Viburnum, leather-leaved, 2-yr. pots, 6 to 9 ins. | .37 | .35 |
| Viburnum Burkwoodi, 1-yr., 4 to 5 ins. | .22 | .20 |

HEAVY ROOTED CUTTINGS

| | |
|---|--------|
| From flats, rooted outside in lath house, delivery now. | |
| Boxwood, Korean, hardy, 3 ins. | \$0.09 |
| Euonymus alatus compactus, 5 to 6 ins., 2-yr., branched | .09 |
| Euonymus erectus, 3 to 4 ins. | .07 |
| Euonymus patens, 3 to 4 ins. | .07 |
| Juniperus glauca Hetzi, 5 ins. | .11 |
| Juniperus chinensis Pfitzeriana, 6 to 7 ins. | .12 |
| Arborvitae, pyramidal, 5 to 6 ins. | .11 |
| Arborvitae, Globe, 4 to 5 ins. | .11 |
| Arborvitae, American, dark green, 5 to 6 ins. | .11 |
| Taxus intermedia, 3 to 4 ins. | .11 |
| Taxus cuspidata, 5 ins. | .11 |
| Taxus Andersoni, 4 to 5 ins. | .11 |
| Taxus media No. 8, 3 to 4 ins. | .11 |
| Taxus Hatfieldi, 3 to 4 ins. | .11 |

Terms: 2 per cent discount and free packing for cash with order. Our stock guaranteed 100 per cent satisfactory or return within 6 days for full refund, plus full shipping charges paid.

250 plants at 1000 rate.
MIAMI NURSERY CO.
Tipp City, O.

PIERIS JAPONICA (Andromeda)

Order now for spring, 1956, delivery.

| | Per 100 | Per 1000 |
|--|---------|----------|
| 3-yr. plants, 1-yr., open field rows, bushy, 10 to 12 ins., TTT. | \$75.00 | |
| 2-yr. field bed, TT | 30.00 | |
| 1-yr. flats, T | 10.00 | \$90.00 |
| 1-yr. seedlings | 8.00 | 75.00 |

ECKHART NURSERIES

16 Toppa Blvd. Newport, R. I.

EVERGREENS ROOT-PRUNED AND TRANSPLANTED.

25 at 100 rate; 250 at 1000 rate.
TERMS: As per our published list which includes satisfactory credit or cash with order. NO C.O.D.

YOU WILL LIKE OUR PLANTS.

| | Each, 10 | 100 | 1000 |
|--|----------|--------|--------|
| ABIES CONCOLOR (Concolor Fir) 9 to 12 ins., R.P. | \$0.30 | \$0.25 | \$0.20 |
| 6 to 9 ins., R.P. | .20 | .15 | .12 |
| ABIES DOUGLASSI (Douglas Fir) 12 to 15 ins., R.P. | .25 | .20 | .15 |
| 9 to 12 ins., R.P. | .18 | .15 | .12 |
| 6 to 9 ins., R.P. | .10 | .09 | .07 |
| JUNIPERUS ANDORRA PLUMOSA (Andorra Juniper) 15 to 18 ins., TTT. | .90 | .80 | .75 |
| 12 to 15 ins., TTT. | .75 | .70 | .65 |
| 9 to 12 ins., TTT. | .60 | .55 | .50 |
| JUNIPERUS HETZI (Hetz Blue Juniper) 15 to 18 ins., TTT. | 1.10 | 1.00 | .90 |
| 12 to 15 ins., TTT. | .85 | .80 | .75 |
| JUNIPERUS HIBERNICA FASTIGIATA (Irish Juniper) 18 to 24 ins., TTT. | .85 | .75 | .65 |
| 12 to 15 ins., TTT. | .60 | .55 | .50 |
| 9 to 12 ins., TTT. | .50 | .45 | .40 |
| JUNIPERUS JAPONICA PROCUMBENS (Japanese Creeping Juniper) 9 to 12 ins., TTT. | .60 | .55 | .50 |
| JUNIPERUS KOSTERI (Koster Juniper) 12 to 15 ins., TTT. | .80 | .75 | .70 |
| JUNIPERUS PFITZERIANA (Pfitzer Juniper) 15 to 18 ins., TTT. | 1.10 | 1.00 | .90 |
| 12 to 15 ins., TTT. | .85 | .80 | .75 |
| 9 to 12 ins., TTT. | .65 | .60 | .55 |
| 6 to 9 ins., TTT. | .45 | .40 | .35 |
| JUNIPERUS SABINA (Savin Juniper) 15 to 18 ins., TTT. | 1.10 | 1.00 | .90 |
| 12 to 15 ins., TTT. | .85 | .80 | .75 |
| 9 to 12 ins., TTT. | .65 | .60 | .55 |
| 6 to 9 ins., TTT. | .45 | .40 | .35 |
| JUNIPERUS VIRGINIANA (Eastern Red Cedar) 2 to 3 ft., R.P. | .55 | .50 | .45 |
| 18 to 24 ins., TTT. | .45 | .40 | .35 |
| 9 to 12 ins., R.P. | .15 | .13 | .10 |
| 6 to 9 ins., R.P. | .10 | .08 | .06 |
| 2 to 3 ft., TTT. | .95 | .85 | .75 |
| 18 to 24 ins., TTT. | .60 | .55 | .50 |
| PICEA CANADENSIS ALBA (White Spruce) 12 to 15 ins., R.P. | .20 | .18 | .15 |
| 9 to 12 ins., R.P. | .13 | .10 | .08 |
| 6 to 9 ins., R.P. | .10 | .08 | .06 |
| PICEA PUNGENS GLAUCA (Colorado Blue Spruce) 9 to 12 ins., TTT. | .35 | .30 | .25 |
| 6 to 9 ins., TTT. | .30 | .25 | .20 |
| PICEA EXCELSA (Norway Spruce) 12 to 15 ins., R.P. | .20 | .18 | .15 |
| 9 to 12 ins., R.P. | .09 | .07 | .05 |
| 6 to 9 ins., TTT. | .30 | .25 | .20 |
| PINUS BANSKIANA (Jack Pine) 18 to 24 ins., R.P. | .30 | .25 | .20 |
| PINUS EDULIS (Nut Pine) 12 to 15 ins., R.P. | .20 | .18 | .15 |
| 9 to 12 ins., R.P. | .15 | .12 | .10 |
| 6 to 9 ins., R.P. | .10 | .08 | .06 |
| PINUS NIGRA (Austrian Pine) 12 to 15 ins., R.P. | .30 | .25 | .20 |
| 9 to 12 ins., R.P. | .12 | .10 | .08 |
| 6 to 9 ins., R.P. | .09 | .07 | .05 |
| PINUS PONDEROSA (Bull Pine or Western Yellow Pine) 12 to 15 ins., R.P. | .30 | .25 | .20 |
| 9 to 12 ins., R.P. | .12 | .10 | .08 |
| 6 to 9 ins., R.P. | .09 | .07 | .05 |
| PINUS STROBUS (Northern White Pine) 6 to 9 ins., R.P. | .10 | .08 | .06 |
| PINUS SYLVESTRIS (Scotch Pine) 12 to 15 ins., R.P. | .20 | .17 | .15 |
| 9 to 12 ins., R.P. | .10 | .08 | .07 |
| 6 to 9 ins., R.P. | .08 | .06 | .05 |
| THUJA OCCIDENTALIS WOODWARDI (Woodward Globe) 9 to 12 ins., TTT. | .50 | .45 | .40 |
| 6 to 9 ins., TTT. | .40 | .35 | .30 |
| THUJA ORIENTALIS COMPACTA (Chinese Arborvitae) 9 to 12 ins., R.P. | .20 | .17 | .15 |
| POTTED AND CANNED EVERGREENS Each, 10 100 | | | |
| EUONYMUS ALATUS COMPACTUS 1-gal. cans, 12 to 15 ins. | \$1.20 | \$1.10 | |
| 4-in. pots, 9 to 12 ins. | .85 | .75 | |
| EUONYMUS COLORATUS (Purple-leaved winter creeper) 5-in. pots | .75 | .70 | |
| 4-in. pots | .60 | .50 | |

SEEDLINGS

BIOTA ORIENTALIS, 2-yr., bed-grown in soils prepared to produce fibrous root systems.

2-yr., 10 to 14 ins., \$30.00 per 1000.

Nandina, 2 1/2-in. pots, 15c.

These are packed to reach you in first-class condition.

SOUTHERN NURSERY

Rt. 7, Box 254A Oklahoma City, Okla.

KOSTER'S BLUE SPRUCE

1-yr. grafts, in qt. cans, \$1.25.

Can ship now.

February grafts, April shipment, 90c.

Order no less than 10.

25 per cent with order.

CLIFFINGER NURSERY

Highway 71 West Rogers, Ark.

EVERGREEN LINERS

| | Each, 100 | 1000 |
|---|-----------|---------|
| PFITZER JUNIPER 2 1/2-in. pots, 1-yr. | \$0.18 | \$0.15 |
| 2 1/2-in. pots, 1-yr. (heavy) | .22 1/2 | .18 1/2 |
| 2 1/2-in. pots, 2-yr. | .27 1/2 | .22 1/2 |
| Field-grown, 1-yr. | .30 | .25 |
| Field-grown, 2-yr. | .45 | .40 |
| Rooted cuttings | .12 | .10 |
| BLUE PFITZER JUNIPER 2 1/2-in. pots, 1-yr. | .25 | .20 |
| Rooted cuttings | .13 | .12 |
| ARMSTRONG PFITZER JUNIPER 2-in. pots, 1-yr. | .22 1/2 | .18 1/2 |
| 2-in. pots, 2-yr. | .26 1/2 | .22 1/2 |
| Field-grown, 3-yr. | .45 | .40 |
| HETZ GLAUCA JUNIPER 2 1/2-in. pots, 1-yr. | .22 1/2 | .18 1/2 |
| TAXUS COLUMNARIS 2 1/2-in. pots, 1-yr. | .20 | .15 |
| PYRAMIDAL ARBORVITAE Field-grown, 4-yr. | .60 | .55 |
| WOODWARD GLOBE ARBORVITAE 2 1/2-in. pots, 1-yr. | .20 | .16 1/2 |
| Field-grown, 4-yr. | .60 | .55 |
| Field-grown, 2-yr. | .32 1/2 | .27 1/2 |
| COMPACT BIOTA ARBORVITAE Field-grown, 2-yr. | .40 | .35 |
| EXCELSA ARBORVITAE Field-grown, 2-yr. | .40 | .35 |
| Field-grown, 1-yr. | .32 1/2 | .27 1/2 |

TERMS: Cash with order, free packing.

Orders for spring held for 1/4 deposit.

300 plants of one variety at 1000 rate.

Not less than 50 of a variety.

VOGE NURSERY

New Lebanon, O.

ROOTED CUTTINGS AND LINERS

| | Each, 100 | 1000 |
|--|-----------|--------|
| Arborvitae, Globe | \$0.09 | \$0.08 |
| Arborvitae, green Niagara, 4 to 8 ins. | .09 | .08 |
| Arborvitae, Pyramidal, 4 to 8 ins. | .09 | .08 |
| Juniper, Andorra, 4 to 8 ins. | .11 | .10 |
| Juniper, Hetzi, 4 to 8 ins. | .11 | .10 |
| Juniper, Pfitzer, 4 to 8 ins. | .11 | .10 |
| Juniper, Swedish, 4 to 8 ins. | .11 | .10 |
| Taxus Andersoni, 6 to 8 ins. | .10 | .09 |
| Taxus Browni | .10 | .09 |
| Taxus capitata (leaders), 4 to 8 ins. | .14 | .12 |
| Taxus cuspidata, 6 to 8 ins. | .09 | .08 |
| Taxus Hicksi, 6 to 8 ins. | .09 | .08 |

1-YR. TRANSPLANTS

| | | |
|------------------------------|-----|-----|
| Taxus cuspidata, 6 to 8 ins. | .15 | .14 |
| Taxus capitata, 6 to 10 ins. | .24 | .22 |
| Taxus Hicksi, 6 to 10 ins. | .15 | .14 |

2-YR. TRANSPLANTS

| | | |
|---|-----|-----|
| Arborvitae, green Niagara, 8 to 12 ins. | .25 | .22 |
| Taxus Hicksi, 6 to 10 ins. | .22 | .20 |

GRAFTED SPRUCE, 2 1/2-IN. POTS

Koster Blue Spruce, each, \$1.25.

Moerheim Blue Spruce, each, \$1.25.

GRAFTED JUNIPER, 2 1/2-IN. POTS

| | Each, 10 | 100 |
|--------------------|----------|--------|
| Juniperus Burki | \$0.50 | \$0.55 |
| Juniperus Canaerti | .60 | .55 |

50 of a variety at 100 rate.

300 of a variety at 1000 rate.

BOXING AT COST

DRAKE'S NURSERIES

G-4342 Branch Rd. Flint, Mich.

ROOTED CUTTINGS

Shipped in air-tight plastic bags.

Spring shipment only.

Let us book your order early. These will be top-quality, well-rooted plants. Less than 250, add 2c per plant.

EUONYMUS

Euonymus radicans, upright (Sarcocoe), \$0.07

Euonymus patens, SL .05

Euonymus patens, SL .05

Euonymus patens Sieboldi .05

Ilex opaca femina .18

Ilex crenata convexa .05

Ilex crenata rotundifolia .05

Juniperus Pfitzeriana .07

Juniperus excelsa stricta .07

Juniperus glauca Hetzi .07

Juniperus Irish fastigiata .07

Juniperus squamata Meyeri .07

Juniper, Andorra .07

PEACE & SON NURSERY

P. O. Box 304 Siloam Springs, Ark.

JUNIPER GRAFTS

We are making the following varieties:

Canaerti, glauca, Burki, Keteleeri, Dundee,

Hetzi and Pfitzer's, other varieties if orders

arrive before January 1. Prices, 40c each,

regardless of number ordered. Terms: One-

fourth cash with order, balance before ship-

ping date, plus packing charges at cost. All

cash with order earns free packing. Only

virginiana understock used.

T. C. CRUSE NURSERY & LANDSCAPING CO.

Highway 42 Florence, Ky.

Phone Atlantic 3-2361

EVERGREENS

| | Per 1000 |
|--|----------|
| Scotch Pine, 2-yr., 2 to 4 ins. | \$10.00 |
| Scotch Pine, 2-yr., 4 to 8 ins. | 20.00 |
| Scotch Pine, 3-yr., 8 to 16 ins. | 30.00 |
| Austrian Pine, 2-yr., 3 to 6 ins. | 20.00 |
| Red Pine, 2-yr., 3 to 5 ins. | 20.00 |
| Norway Spruce, 2-yr., 2 to 5 ins. | 15.00 |
| Colorado Blue Spruce, 2-yr., 2 to 4 ins. | 20.00 |
| Colorado Blue Spruce, 3-yr., 5 to 9 ins. | 40.00 |

CHAPMAN'S NURSERY

553 Church St. Indiana, Pa.

EVERGREENS—Continued

EVERGREENS
650 SPINY GREEK JUNIPER.
24 to 36 ins. B&B \$1.00
500 NANDINAS, 24 to 36 ins.
in gal. cans 1.00
500 NANDINAS, 24 to 36 ins. B&B 1.15
200 ENGLISH BOXWOOD, 8 to 12 ins. 2.00
1500 BUXUS SEMPERVIRENS
(Boxwood), 30 to 36 ins. B&B .. 1.15
50 per cent deduction will be allowed for
anyone taking the entire number of plants.
FOWLER'S NURSERY, MARIETTA, GA.

HEAVY LINERS
TAXUS, Browni, Hicksi, Hunnewelliana,
intermedia and media No. 8, TT and TTT.
4-yr., 8 to 10 ins., bed-grown 50c
5-yr., 10 to 12 ins., field-grown 60c
JUNIPER, Pfitzer TT.
3-yr., 12 to 18 ins., field-grown 40c
EUONYMUS, patens and radicans, TT.
3-yr., 10 to 15 ins., field-grown 40c
All stock heavy caliper and well branched.
Write for complete list.

HILL PARK NURSERY, Center Point, Ind.

EVERGREEN LINERS
Taxus cuspidata, 2-yr., T. Per 100 \$25.00
3-yr., 8 to 10 ins. 30.00
3-yr., 10 to 12 ins. 35.00
Taxus Hicksi, 2-yr., T. 25.00
3-yr., T. 8 to 10 ins. 30.00
Taxus Browni, 2-yr., T. 30.00
Taxus baccata, 2-yr., T. 30.00
Free packing if cash accompanies order, or
one fourth with order, rest C.O.D.
LITTLE MOUNTAIN VIEW NURSERIES
Rt. 84 Mentor, O.

TAXUS CUTTING WOOD
Excellent strain, good, strong leaders; un-
rooted cuttings of
Taxus cuspidata capitata
(Upright Yew) \$30.00 per 1000
Taxus media Hicksi
(Hick's Yew) 30.00 per 1000
BULK'S NURSERIES
610 W. Montauk Hwy., Babylon, L. I., N. Y.
Phone Mohawk 9-4400

OLD ENGLISH BOXWOOD LINERS
2 years in bed, \$15.00 per 100, \$125.00
per 1000. Cash with order. Free sample on
request.

BROWN'S NURSERY
Harmony, N. C.
TAXUS CAPITATA
Strong 2-year seedlings.
Seed sown lightly.
Plants grown with plenty of room in beds.
\$15.00 per 100, \$125.00 per 1000.
C. HOOGENDOORN
Turner Rd., Newport, R. I.

JAPANESE BLACK PINE
1-yr. seedlings \$ 30.00 per 1000
2-yr. seedlings 50.00 per 1000
3-yr. seedlings 100.00 per 1000
Sold out on all heavy and older stock.
BAIER LUSTGARTEN NURSERIES
Jericho Turnpike, Middle Island, L. I., N. Y.

PFTZER JUNIPER
Fine, unrooted cuttings, 12 ins. long, \$15.00
per 1000; same stock, 8 to 10 ins., \$10.00
per 1000.
Express only. Cash.
KRONE'S FLOWER SHOP & NURSERY
4221 Grand Ave., Fort Smith, Ark.

PIERIS JAPONICA
(Andromeda) Per 100 Per 1000
2 to 3 ins., T. \$ 8.00 \$ 75.00
4 to 6 ins., T. peat ball 20.00 175.00
PLANE VIEW NURSERY, Newport, R. I.

EVERGREENS
See our Classified ad in this issue under
LINING-OUT STOCK.
T. G. OWEN & SONS, INC.
Columbus, Miss.

NANDINA PLANTS
2 to 4 ins. herb. bed-grown, \$30.00 per 1000,
500 at 1000 rate. Cash.
KRONE'S FLOWER SHOP & NURSERY
4221 Grand Ave., Fort Smith, Ark.

FLOWERING POT PLANTS
FUCHSIAS
Consistently a top money maker.
Try our special 100, 2 1/2-in. pots, \$17.50.
Consisting of 5 each of 20 varieties, 10 up-
rights and 10 hangers.
List of over 150 select varieties upon re-
quest. Please note when to ship.
PALOMARIN NURSERY
Box 248, Bolinas, Calif.

FORSYTHIAS
FORSTYTHIA SPRING GLORY
1-yr., hardwood, 18 to 24 ins., \$10.00 per
100, \$75.00 per 1000.
C. HOOGENDOORN, NURSERYMAN
Newport, R. I.

FRUIT AND NUT TREES

PEAR SEEDLINGS!
This is Pyrus Calleryana. In a recent an-
nouncement to the trade over the country, it
is noteworthy that the first block of 20 per
cent of our offering of seedlings has been
booked on a basis like this: 75 per cent of
all orders received are from old customers
and friends in the nursery trade, whose book-
ings have been 17 times as many trees as
new customers have booked. A good many
of these old customers think of this seedling
as the fastest growing, as free of blight as
any, with a long budding period, from early
summer to late fall. The shortage of Pear
trees on your sales yard can easily be met by
buying liberally of these seedlings. We ex-
pect to be able to give oversize grading.
No. 1, 3/16 to 1/4-in. caliper, \$45.00 per 1000.
No. 2, 1/4 to 3/16-in. caliper, \$35.00 per 1000.
No. 3, 1/16 to 1/4-in. caliper, \$25.00 per 1000.
Digging and grading now.
WHITEROCK NURSERIES
Dept. NC Crockett, Tex.

CHERRY LARGE MONTMORENCY
1-yr., 11/16-in. to 4 to 5 ft., 90c; 3/4-in. up,
4 to 6 ft., \$1.00.
APRICOTS AND PLUMS
Apricots, hardy; Early Gold, Moorpark,
Superb.
Plums, Bruce, Hanksa, Gold.
2 to 3 ft., 35c; 3 to 4 ft., 45c; 4 to 6 ft., 60c.
THOMAS BLACK WALNUTS (grafted)
2 to 3 ft., 90c; 1 to 2 ft., 60c.
**GRAPES, what we think are the best RED,
WHITE and BLUE.**
Caco (red), Niagara (white), Fredonia (blue)
1-yr. size, \$9.50 per 100, \$90.00 per 1000.
2-yr. size, \$11.50 per 100, \$98.00 per 1000.
Concord, 1-yr., \$7.00 per 100, \$65.00 per
1000; 2-yr., \$8.00 per 100, \$75.00 per 1000.
BENTON COUNTY NURSERY CO., INC.
Dept. 5 Rogers, Ark.

DWARF PLUM, ROOTED CUTTINGS
Plum Malling St. Julian A. recognized as
best understock for dwarfing Plum, Prune,
Peach, Apricot, Nectarine, Almond and the
flowering forms of all. Compatible with all
varieties. Hardy. Orders now taken for
spring 1957 delivery. Per 1000, \$150.00;
2500 up, \$140.00. F.O.B. Forest Grove, Ore.
Packing at cost. No orders under 1000 ac-
cepted.

CARLTON NURSERY CO.
Forest Grove, Ore.

CRAB AND APPLE BENCH GRAFTS
ARE SCARCE ITEMS.
For delivery March 1, tied 100 per bundle.
Flowering Crab: Arnold, Katherine, Zumi,
Kingo, Elsey, Floribunda and Hops, \$19.00
per 100, \$45.00 per 500, \$80.00 per 1000.
Apple grafts: Jonathan, Red and Yellow
Delicious, Winesap, Rome Beauty, Stayman
and Transparent, \$8.00 per 100, \$37.50 per
500, \$65.00 per 1000.
EGYPTIAN NURSERY & LANDSCAPE CO.
Farina, Ill.

**BLIGHT-PROOF PINEAPPLE
AND HOOD PEAR TREES**
Per 100
2 to 4 ft. \$25.00
4 to 5 ft. 50.00
5 to 6 ft. 75.00
Satsuma Orange trees, 2 to 3 ft. 75.00
Sweet Kumquat, 1 to 2 ft. 75.00
F.O.B. assorted at 100 rate.
ROY HAUSER, R. 2, DE RIDDER, LA.

GARDENIAS

GARDENIA MYSTERY
Well-rooted, sturdy plants. Bench-grown
in sterilized soil and pots. Out of 2 1/2-in.
pots, \$17.50 per 100, \$150.00 per 1000, F.O.B.
Chino, Calif. Packed 65 to a carton. No
packing charge for cash with order.
DESCANSO DISTRIBUTORS, INC.
12492 Pipeline Ave., Chino, Calif.

GARDEN ROOTS

RHUBARB
Victoria, grown 1 year from divisions,
which insures true stock and strong eyes.
Good color and a thrifty grower. Fine for
retail sales or forcing.
2-in. and up \$10.00 per 100, \$90.00 per 1000
No. 2 size 5.00 per 100, 50.00 per 1000
Washington, strong 2-yr. plants, well
graded. Good for forcing, \$3.00 per 100,
\$18.00 per 1000.
All plants are ready now or through spring.
ROUBENBUSH GARDENS
4331 Needmore Rd., Dayton 4, O.

ASPARAGUS
Martha Washington, 1-yr., \$1.75 per 100;
Paradise, 1-yr., \$2.00 per 100.
RHUBARB Giant Victoria, 1/4 to 1-in., \$6.00
per 100, \$50.00 per 1000; 1-in. and up, \$7.00
per 100, \$60.00 per 1000.
SAGE Holt's Mammoth, 1-yr., 10c each, \$7.50
per 100.
HORSE RADISH, 1-in. and up, 5c each, \$4.00
per 100.
BENTON COUNTY NURSERY CO., INC.
Dept. 5 Rogers, Ark.

AMERICAN NURSERYMAN

GRAPEVINES

GRAPE CUTTINGS
Concord, Niagara, Fredonia, first-grade
cuttings, approximately 10 to 12 ins., 3 or
more nodes, wire tied, 5000 or more, \$4.50
per 1000. Less than 5000, \$5.50 per 1000.
CLINGER NURSERY
Highway 71 West Rogers, Ark.

GRAPE CUTTINGS
Concord and Fredonia, cut from clean,
healthy vineyard, largest in Oklahoma, by
experienced workmen. Tied with wire, 100
to bunch, \$5.00 per 1000. F.O.B. here.
IDEAL FRUIT FARM, STILLWELL, OKLA.

CONCORD GRAPEVINES, 1-YR. NO. 1
100,000 vines, irrigated.
\$7.50 per 100, \$65.00 per 1000.
Finest quality No. 1 vines.
CLINGER NURSERY
Highway 71 West Rogers, Ark.

GROUND COVERS

**THORNDALE SUB-ZERO EVERGREEN
IVIES**
Special strain, stands 20 degrees below zero.
This English Ivy stays green all year round.
Strong plants from 2 1/2-in. rose pots or 2-in.
plant bands, \$25.00 per 100, lots of 250 or
more, \$30.00 per 100, in lots of 50 or less
than 250, F.O.B. Woodstock.
THORNDALE NURSERY
Dean St. at 176 Woodstock, Ill.
PACHYSANDRA TERMINALIS — strong
rooted cuttings, \$3.75 per 100, \$35.00 per 1000;
\$32.50 for any order of 5000 or more.
Prompt shipment. Beetle zone only.
DUNWODIE NURSERIES
6 Smart Ave., Yonkers, N. Y.
Phone: Yonkers 5-1473

PACHYSANDRA TERMINALIS
Strong, 1-yr., field-grown, \$65.00 per 1000.
HILLCREST GREENHOUSES, Franklin, Pa.

HARDWOOD CUTTINGS

HARDWOOD CUTTINGS
7 ins. long, tied in 100. Packed free when
cash accompanies order. Guarantee delivery
in good condition.

| | Per 1000 |
|--------------------------------|----------|
| Aronia melanocarpa | 3.50 |
| Cornus paniculata | 5.00 |
| Cornus sibirica | 5.00 |
| Amomum | 5.00 |
| Forsythia intermedia | 4.00 |
| spectabilis | 4.00 |
| primulina | 4.00 |
| ovata | 4.00 |
| Hydrangea P. | 5.00 |
| Hydrangea A.G. | 5.00 |
| Privet Amor (North) | 4.00 |
| Regelia (true) | 8.00 |
| Ibota | 4.00 |
| Honeysuckle, Morrowi | 4.00 |
| bella albidia | 4.00 |
| bella rosea | 4.00 |
| tatarica rosea | 5.00 |
| Korolkowi | 5.00 |
| Zabeli | 5.00 |
| Diervilla trifida | 5.00 |
| Philadelphus grandiflorus | 4.00 |
| Mt. Blanc | 4.00 |
| Bouquet Blanc | 4.00 |
| Lemoine | 5.00 |
| Amalthee | 5.00 |
| coronarius | 4.00 |
| virginalis | 6.00 |
| Physocarpus opulifolius aureus | 4.00 |
| opulifolius nanus | 5.00 |
| Sorbaria sorbifolia | 4.00 |
| Spiraea Billardi rosea | 4.00 |
| Fröbeli | 4.00 |
| Thunbergi | 4.00 |
| Vanhouttei | 4.00 |
| trichocarpa | 4.00 |
| Snowberry, white | 4.00 |
| Viburnum dentatum | 5.00 |
| Poplar, Lombardy | 4.00 |
| Willow, Niobe (weeping) | 4.00 |
| Pussy | 4.00 |
| Dwarf, Arctic | 5.00 |
| Arbortvitae pyramidalis | 15.00 |
| Globe | 15.00 |
| Retinospora plumosa | 15.00 |
| Juniper, Pfitzer | 15.00 |
| Andorra | 15.00 |
| Savin | 15.00 |
| Taxus cuspidata | 15.00 |
| canadensis | 15.00 |

SCOTCH GROVE NURSERY

Scotch Grove, Ia.

More customers for you!
Over 8,000 subscribers, all active buyers,
see your ad in the American Nurseryman.

HARDY PLANTS

HEMEROCALIS
We are among the largest growers of
Hemerocallis, 180 dependable varieties; 14
varieties Liriope, the great border and
ground cover plant; hardy Giant Hibiscus,
also other items. High-quality stock at
reasonable prices. Send for our wholesale
list.
RIEDEL PLANT CO., EXPERIMENT, GA.

FEVERFEW ALL-DOUBLE WHITE
100,000 outdoor, sand rooted cuttings, double pure white, extra large; from long improved, carefully selected stock plants. 12.25 per 100, \$18.00 per 1000. There's no risk to run when you choose rooted cuttings from selected stock!

E. F. DuBOSE, HUNTSVILLE, ALA.

HELLEBORUS NIGER

(Christmas Rose)

Our own grown.

3-yr. transplants

\$50.00 per 100.

\$450.00 per 1000.

C. HOOGENDOORN

Turner Rd. Newport, R. I.

BLEEDING HEART ROOTS

Dicentra spectabilis, 4 to 6-eye, \$280.00 per 1000 (250 roots at the 1000 price); 100, \$30.00; 50, \$16.00; 25, \$8.50; 12, \$4.75.

NEW ENGLAND BULB CO.

Box 743 New London, Conn.

GAILLARDIA SUN GOD

Aristocrat of the flower garden. Produces many solid golden flowers on long, graceful stems. Cut flower or garden. Large field plants, \$3.00 per 100, \$25.00 per 1000.

E. F. DuBOSE, HUNTSVILLE, ALA.

PERENNIALS

New and standard kinds.

New wholesale list now ready.

CARROLL GARDENS

Box 15 Westminster, Md.

America's Best Source

For Hard Plants

THE WAYSIDE GARDENS

Mentor, Ohio

Write for Trade List.

Panicle, perennials and rock plants in wide variety. Send for catalog.

PITZONKA'S PANSY FARM & NURSERY

Bristol, Pa.

WELLER'S BETTER PERENNIALS

WELLER NURSERIES CO., Holland, Mich.

Write for trade list.

Turn Stock into Dollars

by Listing It in the Classified Ads

of the American Nurseryman.

HOLLY

HOLLY

Strong rooted cuttings for immediate shipment or later.

AMERICAN: Female, male and pyramidalis

(female).

ENGLISH: Female, male and pyramidalis

(female).

Each, 10 100

3 to 5 ins. \$0.25 \$0.20

(English ready March-April.)

JAPANESE: Crenata, convexa, bullata, latifolia, Macrophylla, rotundifolia.

Each, 10 100 1000

4 to 6 ins. \$0.11 \$0.08 \$0.07½

6 to 8 ins. .12 .09 .08½

ILEX HELLERI, 2 to 4 ins. .12 .10

JOHN VERMULEN & SON, INC.

Neshanic Station, N. J.

HOLLY

Well-rooted, cutting-grown liners out of

3-in. pots.

Ilex cornuta rotunda \$0.35

Ilex crenata convexa bullata .17½

Ilex crenata Helleri .30

Ilex cornuta Burfordi .15

Ilex opaca East Palatka .30

Ilex Aquifolium, green .35

Ilex Aquifolium, silver variegated .45

Packed 35 to a box. Minimum order 3 boxes.

Cash with order, please. F.O.B. Chino, Calif.

DESCANSO DISTRIBUTORS, INC.

Wholesale Growers Chino, Calif.

HOLLY

45 English and hybrid varieties, 25 American, 10 Asiatic. Cutting-grown plants, well-rooted and hardened for spring delivery.

Full replacement guarantee to bona fide nurserymen and florists. Write for stock list and new low prices.

WILMOT HOLLY CO.

Box 304

Narberth, Pa.

ILEX CRENATA ROTUNDIFOLIA

4 to 6 ins. \$0.97

6 to 8 ins. .09

8 to 12 ins. .12

All twice transplanted, grown in outdoor beds more than twelve months, good roots.

B. F. PONDER

308 6th Ave. Lanett, Ala.

ILEX ROTUNDIFOLIA

Well rooted, nicely branched.

Per 100 Per 1000

4 to 6 ins. \$ 6.00 \$ 50.00

6 to 10 ins. . 9.00 80.00

10 to 15 ins. 2-yr. 12.50 100.00

FLOWERWOOD NURSERY, INC.

P. O. Box 185 Cairo, Ga.

ILEX OPACA

4-yr. XX, seedlings, 5-in. pots.

8 to 15 ins., \$50.00 per 100.

See our display ad in this issue

for ILEX CRENATA.

BROOKFIELD GARDENS, DELAWARE, N. J.

HONEYSUCKLES

HONEYSUCKLES

Lonicera japonica Halliana, extra-heavy No. 1, 3 and 4-year, 12 to 24-in. field plants, 3, 4 to 6 leads, \$40.00 per 1000; lighter grade, \$30.00 per 1000; sample 100, \$4.00. Experienced labor for grading and packing quantity orders. Immediate shipment. No order too large. Phone: 600W5.

ROBINSON NURSERY CO., Greenville, Ga.

IVIES

THORNDALE SUB-ZERO EVERGREEN IVIES

Special strain, stands 20 degrees below zero. This English Ivy stays green all year round. Strong plants from 2½-in. rose pots or 2-in. plant bands, \$25.00 per 100, lots of 250 or more, \$30.00 per 100, on lots of 50 or less than 250. F.O.B. Woodstock.

THORNDALE NURSERY

Highway 176 Woodstock, Ill.

BALTIC IVY

Strong, clean, well-rooted stock.

Per 100 Per 1000

Rooted cuttings \$ 6.00 \$55.00

2-in. pots 10.00 95.00

Can ship now or later. 25 per cent down to reserve.

STRATFORD GARDENS

Russell Breese Delaware, O.

ENGLISH IVY (HEDERA HELIX)

Our hardy selected, large-leaved strain.

Strong rooted cuttings, \$45.00 per 1000.

Free packing for cash with order.

BABCOCK GARDENS

Rt. 3 Jamestown, N. Y.

LINING-OUT STOCK

EVERGREENS

Pfitzer Juniper, XX, field, branched, sheared

14 to 16-in. spread. Caliper ½-in. \$0.55

11 to 14-in. spread. Caliper ½-in. .45

9 to 11-in. spread .35

6 to 8-in. bands .14½

*8 to 10-in. bands .20

Andorra Juniper, 6 to 12-in. bands, 2-yr. .14½

6 to 10-in. bare-root .06

Blue Hetz Juniper, 6 to 8-in. bands .14½

bare-root .08

Dwarf Pfitzer (nana), bands, 5 to 6-in. .20

Savin Juniper, 6 to 10-in. bare-root .06

*6 to 8-in. bands .14½

Von Ehrhorn Jun., 10 to 12-in. bands, 2-yr. .14½

8 to 10-in. bare-root .06

Spreading Jap. Yew, 2-yr., 6 to 8-in. .20

*Burk's Juniper (upright), 6 to 8-in. .25

*Blue Haven Jun. (upr. scopulorum) .25

*Keteleeri Juniper (upr.) cupressifolia (upr.) .25

DECIDUOUS, BARE-ROOT

Buddelias, best red; 6 to 8 ins. .06

Buddelias Snowbank, 6 to 8 ins. .06

Blue Spiraea (Caryopteris), 8 to 12 ins. .03½

Chinese Beauty-Berry, 6 to 12 ins. .03½

Chinese Privet, Wayside Gardens strain; 6 to 12 ins. .03½

Forsythia Lynwood Gold, 6 to 10 ins. .04

Forsythia Spring Glory, 8 to 14 ins. .04

Forsythia Arbutus Giant, no dwarf; 4 to 6 ins. .12

Regels Privet, 8 to 12 ins. .03½

Hypericum Hidecote, 4 to 6 ins. .08

Spiraea Anthony Waterer, 3 to 5 ins. .03½

Spiraea Froebel, 4 to 6 ins. .03½

Spiraea japonica coccinea, 3 to 5 ins. .03½

Weigela, dwarf var., 6 to 8 ins. .06

Weigela Eva Rathke, 5 to 6 ins. .04

Weigela rosea, 5 to 6 ins. .04

BROADLEAFS, bare-root

Euonymus coloratus, 6 to 10 ins. .03½

Euonymus patens, small, medium or large-leaved; 6 to 10 ins. .04

Euonymus radicans (upright) (Sarcocoe), 5 to 8 ins. .07

Euonymus radicans vegetus, 5 to 8 ins. .06

Pyracantha Lalandi, 5 to 6 ins. .05

*Pyracantha Kanan, 5 to 6 ins. .12

Purple-leaved Honeysuckle vine, 5 to 6 ins. .06

Variegated-leaved Honeysuckle vine, 5 to 6 ins. .08

PERENNIALS, bare-root

*Dianthus Little Joe .04

*Antemilla Kohanki's Pink .04

*Antemilla Schmidtiana (Silver Mound) .08

Carnation Crimson King .05

Gypsophila Bristol Fairy .08

*Phlox subulata Emerald Cushion .02½

*Phlox subulata Emerald Blue .02½

*Phlox subulata, best pink .02½

*Teucrium chamaedrys .04

Verbenas, pink .05

Verbenas, lavender-pink .05

All prices are at 1000 rate; 300 or more total order. Less than 300, add 2c per plant.

Starred items for spring only. Other items delivery any time. For parcel post on bare-root plants, add 10 to 12½ per cent.

BOOK YOUR ORDER FOR SPRING.

MCINNISH GREENHOUSES,

St. Joseph, Mo.

LINING-OUT STOCK

Abelia Edward Goucher, 10 to 12 ins. \$0.15

8 to 10 ins. .12½

Abelia grandiflora, 15 to 18 ins. .20

12 to 15 ins. .15

Acer palmatum, 12 to 15 ins. .15

10 to 12 ins. .12½

Acer saccharinum, 12 to 15 ins. .10

10 to 12 ins. .07½

Azaleas (Coral Belle), Birmingham.

Sherwood, Formosa, 3 to 6 ins. .15

Buxus Harlandi, 6 to 8 ins. .15

Buxus sempervirens, 6 to 8 ins. .15

Buxus suffruticosa, 3 to 6 ins. .10

Candytuft, 3 to 6 ins. .10

Cedrus Deodara, 6 to 8 ins. .10

Cedrus Deodara glauca, 3 to 6 ins. .10

Cercis canadensis (Redbud),

12 to 15 ins. .07½

10 to 12 ins. .07½

Cherry-Laurel, 18 to 24 ins. .25

15 to 18 ins. .20

Cleyera japonica, 10 to 12 ins. .20

8 to 10 ins. .15

Confederate Jasmine, 2-yr. vine .17½

Cotoneaster Francheti, 10 to 12 ins. .20

8 to 10 ins. .15

Cytisus scoparius (Scotch Broom),

12 to 15 ins. .10

10 to 12 ins. .07½

Elaeagnus Fruitlandi, 10 to 12 ins. .20

8 to 10 ins. .15

Euonymus japonicus, 8 to 10 ins. .15

6 to 8 ins. .12½

Euonymus microphyllus (box type),

3 to 6 ins. .10

Euonymus patens, 8 to 10 ins. .15

Feljoa Sellowiana, 8 to 10 ins. .15

Ficus (Fig vine), 2½-in. pots .20

Forsythia, 12 to 15 ins. .15

10 to 12 ins. .12½

Gardenia Mystry, 12 to 15 ins. .15

10 to 12 ins. .12½

Gardenia Florida, 12 to 15 ins. .15

10 to 12 ins. .12½

Gardenia Radicans, 8 to 10 ins. .15

Ginkgo biloba, 8 to 18 ins. .15

6 to 8 ins. .10

Hypericum, 12 to 16 ins. .15

10 to 12 ins. .12½

Ilex Cassine, 12 to 15 ins. .25

10 to 12 ins. .20

Ilex cornuta, 8 to 10 ins. .15

Ilex cornuta Burfordi, 10 to 12 ins. .20

8 to 10 ins. .15

Ilex crenata bullata, 8 to 10 ins. .20

6 to 8 ins. .15

Ilex crenata macrophylla, 8 to 10 ins. .20

6 to 8 ins. .15

Ilex crenata rotundifolia, 8 to 10 ins. .20

LINING-OUT STOCK—Continued

LINING-OUT LIST
PRICES SUBJECT TO CHANGE
WITHOUT NOTICE.
ALL POTTED LINERS ON THIS LIST
ARE PRICED FOR SHIPMENT IN PAPER
POTS OR CUPS. THOSE WHO PREFER
THE ORDINARY METHOD OF PACKING,
OMITTING THIS ADDED PROTECTION,
MAY REDUCE 1c PER PLANT.
THE 1000 RATE APPLIES ON ALL OR-
DERS. THEREFORE, PLEASE ORDER IN
MULTIPLES OF 25 OR MORE.

| | EACH PER 1000 |
|---------------------------------|------------------|
| BIOTA AUREA NANA, Berckmans' | \$0.18 |
| 2 1/2-in. pots | .20 |
| BIOTA BAKERI | |
| 2 1/2-in. pots | .16 |
| BIOTA BONITA | .17 |
| *2 1/2-in. pots | .16 |
| *2 1/2-in. pots | .17 |
| BIOTA EXCELSA | .18 |
| 2 1/2-in. pots | .20 |
| BIOTA SYBIL | |
| 2 1/2-in. pots | .18 |
| 2 1/2-in. pots | .20 |
| CHAMAECYPARIS LAWSONIANA | |
| ALLUMI, Blue Lawson Cypress | .18 |
| JUNIPERUS CHINENSIS PFITZERIANA | |
| Rooted cuttings | .10 |
| 2 1/2-in. pots | .17 |
| 2 1/2-in. pots | .18 |
| JUNIPERUS CHINENSIS | |
| PFITZERIANA COMPACTA | |
| Rooted cuttings | .10 |
| 2 1/2-in. pots | .17 |
| 2 1/2-in. pots | .18 |
| JUNIPERUS CHINENSIS | |
| PFITZERIANA NANA | |
| Rooted cuttings | .12 |
| 2 1/2-in. pots | .20 |
| 2 1/2-in. pots | .25 |
| JUNIPERUS FORTUNEI | |
| Rooted cuttings | .08 |
| 2 1/2-in. pots | .12 |
| 2 1/2-in. pots | .14 |
| JUNIPERUS CHINENSIS VIRIDIFOLIA | |
| 2 1/2-in. pots | .25 |
| 2 1/2-in. pots | .26 |
| JUNIPERUS COM. CRACOVIA | |
| Polish Juniper | .15 |
| JUNIPERUS COMMUNIS KIYONOI | |
| Rooted cuttings | .08 |
| 2 1/2-in. pots | .12 |
| 2 1/2-in. pots | .14 |
| JUNIPERUS HORIZONTALIS | |
| PLUMOSA, Andorra Juniper | .16 |
| 2 1/2-in. pots | .17 |
| JUNIPERUS EXCELSA STRICTA | |
| 2 1/2-in. pots | .17 |
| 2 1/2-in. pots | .18 |
| JUNIPERUS GLAUCA HETZI | |
| Rooted cuttings | .10 |
| *2 1/2-in. pots | .16 |
| 2 1/2-in. pots | .18 |
| JUNIPERUS HIBERNICA FASTIGIATA | |
| 2 1/2-in. pots | .14 |
| 2 1/2-in. pots | .15 |
| JUNIPERUS JAPONICA PROCUMBENS | |
| 2 1/2-in. pots | .18 |
| 2 1/2-in. pots | .20 |
| JUNIPERUS JAPONICA VIRGINALIS | |
| 2 1/2-in. pots | .20 |
| 2 1/2-in. pots | .22 |
| JUNIPERUS SABINA TAMARISCIFOLIA | |
| 2 1/2-in. pots | .18 |
| 2 1/2-in. pots | .20 |
| JUNIPERUS VIRGINIANA BURKI | |
| *2 1/2-in. pots | .25 |
| JUNIPERUS VIRGINIANA KETLEERI | |
| 2 1/2-in. pots | .25 |
| 2 1/2-in. pots | .27 1/2 |
| ABELIA EDWARD GOUCHER | |
| 2 1/2-in. pots | .11 |
| ABELIA GRANDIFLORA | |
| 2 1/2-in. pots | .12 |
| 2 1/2-in. pots | .14 |
| BERBERIS JULIANAE | |
| 2 1/2-in. pots | .25 |
| BERBERIS SARGENTI | |
| 2 1/2-in. pots | .20 |
| 2 1/2-in. pots | .28 |
| BUXUS SEMPERVIRENS CRONI | |
| 2 1/2-in. pots | .22 1/2 |
| BUXUS SUFFRUTICOSA | |
| 2x3-in. TT. BR. | .12 |
| 2x4-in. TT. BR. | .15 |
| BUXUS JAPONICA | |
| Rooted cuttings | .10 |
| 2 1/2-in. pots | .13 |
| *2 1/2-in. pots | .15 |
| ELAEAGNUS FRUITLANDI | |
| 2 1/2-in. pots | .16 |
| 2 1/2-in. pots | .18 |
| EUNYMIUS PATENS, large leaf | .13 |
| *2 1/2-in. pots | .13 |
| EUNYMIUS PATENS, small leaf | |
| 2 1/2-in. pots | .15 |
| 2 1/2-in. pots | .17 |
| EUNYMIUS MICROPHYLLUS | |
| FULCHELLUS | |
| 2 1/2-in. pots | .15 |
| 2 1/2-in. pots | .17 |
| GARDENIA FORTUNEI | |
| 2 1/2-in. pots | .12 |

(Continued in next column)

(Continued from previous column.)

| | |
|-----------------------------------|---------|
| ILEX CRENATA CONVEXA BULLATA | .15 |
| 2 1/2-in. pots | .17 |
| 3-in. pots | .25 |
| ILEX CRENATA HETZI | |
| 2 1/2-in. pots | .18 |
| *2 1/2-in. pots | .20 |
| ILEX CRENATA ROTUNDIFOLIA | |
| 2 1/2-in. pots | .15 |
| 2 1/2-in. pots | .17 |
| ILEX CORNUTA BURFORDI | |
| 2 1/2-in. pots, 2-yr., heavy | .15 |
| 2 1/2-in. pots, 2-yr., heavy | .18 |
| 3-in. pots | .25 |
| 6x8-in. TT. BR. | .12 |
| 8x10-in. TT. BR. | .15 |
| ILEX CORNUTA FEMINA | |
| 2 1/2-in. pots | .18 |
| 2 1/2-in. pots | .20 |
| ILEX CORNUTA, male | |
| 2 1/2-in. pots | .18 |
| 2 1/2-in. pots | .20 |
| 2 1/2-in. pots | .25 |
| ILEX GLABRA, INKERRY | |
| 2 1/2-in. pots | .18 |
| 2 1/2-in. pots | .20 |
| ILEX OPACA FEMINA, true fruiting | |
| variety (Propagated from cuttings | |
| taken from trees of hardy | |
| berry bearing Ilex Opaca.) | |
| *2 1/2-in. pots | .27 1/2 |
| 2 1/2-in. pots | .30 |
| ILEX VOMITORIA | |
| *2 1/2-in. pots | .25 |
| ILICUM ANISATUM | |
| 2 1/2-in. pots | .18 |
| 2 1/2-in. pots | .20 |
| JASMINUM FLORIDUM | |
| Rooted cuttings | .06 |
| 2 1/2-in. pots | .10 |
| 2 1/2-in. pots | .12 |
| LAUROCERASUS CAROLINIANA | |
| Cherry-Laurel | |
| 6x8-in. seedlings | .08 |
| 8x12-in. seedlings | .10 |
| 2 1/2-in. pots | .12 |
| 2 1/2-in. pots | .15 |
| LIGUSTRUM IONANDRUM | |
| *2 1/2-in. pots | .20 |
| LIGUSTRUM JAPONICUM | |
| 2 1/2-in. pots, 2-yr. | .15 |
| LIGUSTRUM LUCIDUM COMPACTUM | |
| 2 1/2-in. pots | .13 |
| 2 1/2-in. pots | .15 |
| MAGNOLIA GRANDIFLORA | |
| 2 1/2-in. pots | .13 |
| 2 1/2-in. pots | .15 |
| MAHONIA BEALEI | |
| 2 1/2-in. pots | .18 |
| 2 1/2-in. pots | .20 |
| 2 1/2-in. pots | .30 |
| NANDINA DOMESTICA | |
| 3x4-in. seedlings | .04 |
| 4x6-in. seedlings | .06 |
| 2 1/2-in. pots | .10 |
| 2 1/2-in. pots | .12 |
| 3-in. pots | .25 |
| PHOTINIA SERRULATA | |
| 2 1/2-in. pots | .20 |
| 2 1/2-in. pots | .22 1/2 |
| PODOCARPUS MACROPHYLLA | |
| 2 1/2-in. pots | .12 |
| 2 1/2-in. pots | .15 |
| PYRACANTHA COCCINEA LALANDI | |
| 2 1/2-in. pots | .15 |
| 2 1/2-in. pots | .17 |
| PYRACANTHA YUNNANENSIS | |
| 2 1/2-in. pots | .15 |
| 2 1/2-in. pots | .17 |
| TEUCRIUM CHAMAEDRY | |
| (Dwarf perennial for borders, | |
| edging, etc.) | |
| 2 1/2-in. pots | .15 |
| 8x10-in. TT. BR. | .18 |
| VIBURNUM TINUS | |
| 2 1/2-in. pots | .18 |
| ACER PALMATUM ATROPURPUREUM | |
| 2 1/2-in. pots | .20 |
| 2 1/2-in. pots | .25 |
| BERBERIS THUNBERGI | |
| ATROPURPUREA | |
| 2 1/2-in. pots | .15 |
| CORNUS FLORIDA RUBRA | |
| 2 1/2-in. pots, grafts | .40 |
| 2 1/2-in. pots, grafts | .50 |
| HYPERICUM PATULUM | |
| 2 1/2-in. pots | .15 |
| LAGERSTROEMIA INDICA | |
| WM. TOOVEY | |
| 2 1/2-in. pots | .16 |
| 2 1/2-in. pots | .18 |
| MAGNOLIA SOULANGEANA | |
| 2 1/2-in. pots | .30 |
| SPIRAEA ANTHONY WATERER | |
| 4x6-in. rooted cuttings | .08 |
| 2 1/2-in. pots | .10 |
| 6x8-in. TT. field-grown | .15 |
| 8x12-in. TT. field-grown | .17 |
| SPIRAEA REEVESIANA FLORA-PLENA | |
| Double flowering Reeves Spiraea | |
| 2 1/2-in. pots | .16 |

SPECIAL NOTICE: Items marked by asterisk (*), delivery next spring. All items not so marked ready for immediate shipments or later to suit customers' requirements.

T. G. OWEN & SON, INC.,
Columbus, Miss.

Quick—Convenient—Cheap!
Selling through the Classified Ads
of the American Nurseryman.

SPRING 1956 LINING-OUT STOCK

| | Per 100 | Per 1000 |
|---------------------------------|---------|----------|
| 3,500 Acer platanoides | \$15.00 | \$140.00 |
| 2-yr., T. | | |
| 1,000 Ampelopsis Veitchii | 5.50 | 45.00 |
| 1-yr. seedlings | | |
| 3,000 Ampelopsis Veitchii | 25.00 | 200.00 |
| 2-yr., F. R. | | |
| 2,000 Ampelopsis Veitchii | 35.00 | 300.00 |
| 3-yr., TT. F.R. | | |
| 4,200 Azalea mollis, 2-yr., T. | 25.00 | 200.00 |
| 4,000 Berberis Thunbergii | | |
| 3-yr., T. F.R. | | |
| 15 to 18 ins. | 25.00 | 200.00 |
| 6,000 Berberis Thunbergii | | |
| atropurpurea, 3-yr. | | |
| T. F.R., 15 to 18 ins. | 30.00 | 250.00 |
| 1,000 Chamaecyparis squarrosa | | |
| Boulevard (formerly | | |
| K&C), 9 to 12 ins. | 40.00 | 350.00 |
| 5,000 Cotoneaster divaricata | | |
| 2-yr., T. F.R. | | |
| 9 to 12 ins. | 30.00 | 250.00 |
| 10,000 Cydonia japonica | | |
| 1-yr. seedlings | 4.50 | 35.00 |
| 500 Cydonia japonica | | |
| 2-yr., T. F.R. | 8.50 | 75.00 |
| 2,000 Ginkgo biloba, 1-yr. | | |
| 4 to 5 ins. | 7.50 | 70.00 |
| 1,000 Ilex convexa, 3-yr. | | |
| T. F.R., 9 to 12 ins. | 40.00 | 350.00 |
| 1,000 Ilex Longfellow, 3-yr. | | |
| T. F.R., 9 to 12 ins. | 40.00 | 350.00 |
| 1,000 Ilex Toyon, 3-yr. | | |
| T. F.R., 9 to 12 ins. | 40.00 | 350.00 |
| 700 Juniperus Hetzi, 2-yr. | | |
| T. F.R., 12 to 15 ins. | 40.00 | 350.00 |
| 500 Juniperus Pfitzeriana | | |
| 2-yr., T. F.R. | | |
| 9 to 12 ins. | 40.00 | 350.00 |
| 1,000 Koeleria paniculata | | |
| 1-yr. seedlings | 7.50 | 70.00 |
| 50,000 Pachysandra, 2-yr. | 8.50 | 80.00 |
| 1,000 Quercus palustris, 3-yr. | | |
| T. F.R., 15 to 18 ins. | 30.00 | 250.00 |
| 50,000 Rosa multiflora | | |
| seedlings, 2 to 3 mm. | 2.50 | 18.00 |
| 10,000 Rosa multiflora | | |
| seedlings, 3 to 6 mm. | 3.50 | 28.00 |
| 5,000 Rosa multiflora | | |
| grafting size | 5.00 | 40.00 |
| 600 Rosa rugosa, 2-yr. | | |
| 12 to 15 ins. | 15.00 | 140.00 |
| 500 Rosa rugosa, 2-yr. | | |
| 18 to 24 ins. | 35.00 | 300.00 |
| 5,000 Rosa rugosa, mixed; | | |
| 3-yr., T. F.R. | | |
| 2 to 3 ft. | 50.00 | 450.00 |
| 1,000 Thuja occidentalis | | |
| 3-yr., T. beds, heavy | | |
| 12 to 15 ins. | 15.00 | 125.00 |
| 1,000 Tilia cordata | | |
| 1-yr. seedlings | 10.00 | 95.00 |
| 2,000 Tsuga canadensis, 3-yr. | | |
| T. beds, 6 to 9 ins. | 25.00 | 200.00 |
| 1,000 Viburnum dilatatum, 2-yr. | | |
| T. F.R., 6 to 9 ins. | 25.00 | 200.00 |
| 2,000 Vinca minor, 3-in. pots | 15.00 | 140.00 |
| T—once transplanted. | | |
| TT—twice transplanted. | | |
| Sample mailed on request. | | |
| BOULEVARD NURSERIES | | |
| Newport, R. I. | | |

SATISFACTION GUARANTEED
FROM THESE FINE LINERS

| | 6 to 8 | 8 to 12 | 12 to 18 |
|---|---------|---------|----------|
| Per 100 | ins. | ins. | ins. |
| Buxus Harlandi | \$10.00 | \$15.00 | |
| Gardenia radicans | | 10.00 | |
| Gardenia stricta nana | | 10.00 | |
| Ilex Cassiniana angustifolia | | 15.00 | |
| Ilex crenata microphylla | 12.50 | 15.00 | |
| Ilex crenata rotundifolia | 10.00 | 12.50 | |
| Ilex cornuta Burfordi | | | |
| bed-grown liners | 12.50 | \$15.00 | |
| potted liners | | 15.00 | |
| Ilex opaca femina | | | |
| bed-grown liners | 17.50 | 20.00 | |
| potted liners | | 20.00 | |
| Ilex vomitoria femina | | 15.00 | 17.50 |
| Ilex vomitoria femina | | | |
| 18 to 24 ins., \$20.00 per 100. | | | |
| Osmanthus Fragens | | 12.50 | 15.00 |
| Osmanthus Fortunei | | 12.50 | 15.00 |
| Pyracantha crenato-serrata | | | |
| Graber, potted liners | 15.00 | 17.50 | |
| Pyracantha coccinea Lalandi | | | |
| potted liners | | 15.00 | |
| Write for our latest catalog listing other stock. | | | |

COTTAGE HILL NURSERY

Rt. 4, Box 130 Mobile, Ala.

LINING-OUT STOCK

| | |
|--|------|
| Pfitzer Juniper, 4 to 6 ins. | 6c |
| Ilex Burfordi, heavily rooted cuttings | 4c |
| Ilex rotundifolia, heavily rooted cuttings | 4c |
| Ilex Burfordi, 2 1/2-in., 5 to 8 ins., 2-yr. | .12c |
| Nandinas, 2 1/2-in., 6 to 10 ins., 2-yr. | .10c |
| Euonymus patens, heavily rooted cuttings | 2c |
| Ligustrum lucidum, rooted cuttings | 2c |
| E. F. DuBOISE, HUNTSVILLE, ALA. | |

EVERGREEN LINERS

| | Per 100 |
|---|---------|
| 5000 Pfitzer, 3-yr., XX, 9 to 12 ins. | 40.00 |
| 1000 Von Ehren, 3 to 12 ins. | 40.00 |
| Deduct 10 per cent for cash with order. | |
| DAMASCUS NURSERIES | |
| Damascus, O. | |

RYMAN

1956

Per 1000

\$140.00

45.00

200.00

200.00

200.00

200.00

250.00

350.00

250.00

35.00

75.00

70.00

350.00

350.00

350.00

350.00

350.00

350.00

350.00

70.00

80.00

250.00

18.00

28.00

40.00

140.00

300.00

450.00

125.00

50.00

200.00

200.00

110.00

12 to

18 ins.

12 to

18 ins.

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18 ins.

BEDDED STOCK

1-yr. in the open.

| | Per 100 | Per 1000 |
|-------------------------------|---------|----------|
| Ilex convexa | \$20.00 | \$180.00 |
| Ilex rotundifolia | 20.00 | 180.00 |
| Sarcococca hookeriana | 25.00 | 250.00 |
| Taxus brevifolia | 20.00 | 200.00 |
| Taxus Brownii | 17.50 | 150.00 |
| Taxus Hicksii | 17.50 | 150.00 |
| Taxus Hatfieldii | 17.50 | 150.00 |
| Taxus cuspidata | 17.50 | 150.00 |
| Taxus capitata, cutting-grown | 25.00 | 225.00 |

SEEDLINGS AND TRANSPLANTS

| | | |
|---------------------------------------|-------|--------|
| Abies Douglasii, 2-yr. S. | 4.00 | 35.00 |
| Acer palmatum, 2-yr. S. | 7.50 | 65.00 |
| Acer palmatum atropurpureum, 2-yr. S. | 22.50 | 200.00 |
| Cornus florida, 1-yr. S. | 6.00 | 50.00 |
| Cornus florida, 2-yr. S. | 9.00 | 80.00 |
| Cornus florida, trans., 2-yr. | 11.00 | 100.00 |
| Euonymus alatus, 1-yr. S. | 3.50 | 30.00 |
| Euonymus alatus, 2-yr. S. | 6.00 | 50.00 |
| Euonymus alatus comp. | 5.00 | 40.00 |

Euonymus alatus comp.

| | | |
|----------|------|-------|
| 2-yr. S. | 6.00 | 50.00 |
|----------|------|-------|

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|------------------------|------|-------|
| Ilex crenata, 2-yr. S. | 7.00 | 60.00 |
|------------------------|------|-------|

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| Picea engelmannii, 3-yr. S. | 5.00 | 40.00 |
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| Picea excelsa, 2-yr. S. | 2.50 | 20.00 |
|-------------------------|------|-------|

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| Picea excelsa, 3-yr. S. | 3.50 | 30.00 |
|-------------------------|------|-------|

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| Picea pungens, 2-yr. S. | 3.50 | 30.00 |
|-------------------------|------|-------|

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|-------------------------|------|-------|
| Picea pungens, 3-yr. S. | 4.50 | 40.00 |
|-------------------------|------|-------|

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|---------------------------|------|-------|
| Pinus austriaca, 2-yr. S. | 7.00 | 60.00 |
|---------------------------|------|-------|

| | | |
|----------------------------|------|-------|
| Pinus densiflora, 2-yr. S. | 6.00 | 50.00 |
|----------------------------|------|-------|

| | | |
|----------------------------|------|-------|
| Pinus Mugo, Tyr., 2-yr. S. | 6.50 | 50.00 |
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| | | |
|--------------------------|------|-------|
| Pinus resinosa, 2-yr. S. | 5.50 | 40.00 |
|--------------------------|------|-------|

| | | |
|----------------------------|------|-------|
| Pinus Thunbergii, 2-yr. S. | 5.50 | 50.00 |
|----------------------------|------|-------|

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|-------------------------|------|-------|
| Pinus Strobus, 2-yr. S. | 4.50 | 40.00 |
|-------------------------|------|-------|

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|----------------------------|------|-------|
| Pinus sylvestris, 2-yr. S. | 3.00 | 25.00 |
|----------------------------|------|-------|

| | | |
|----------------------------|------|-------|
| Syringa vulgaris, 2-yr. S. | 4.00 | 30.00 |
|----------------------------|------|-------|

| | | |
|--------------------------|------|-------|
| Taxus capitata, 1-yr. S. | 5.00 | 40.00 |
|--------------------------|------|-------|

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|-----------------------|------|-------|
| transplants, 1-yr. S. | 6.00 | 50.00 |
|-----------------------|------|-------|

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| Tsuga canadensis, 2-yr. S. | 10.00 | 90.00 |
|----------------------------|-------|-------|

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|--------------------------|------|-------|
| transplants, 4 to 6 ins. | 9.00 | 80.00 |
|--------------------------|------|-------|

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| 3-yr. transplants, 6 to 9 ins. | 16.00 | 150.00 |
|--------------------------------|-------|--------|

| | | |
|---------------------------------|-------|--------|
| 4-yr. transplants, 9 to 12 ins. | 26.00 | 250.00 |
|---------------------------------|-------|--------|

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| 5-yr. transplants, 12 to 15 ins. | 36.00 | 350.00 |
|----------------------------------|-------|--------|

| | | |
|---|--|--|
| Heavy liners, field-grown in nursery rows, bare-root. | | |
|---|--|--|

| | | |
|----------------------------------|----------|--|
| Cornus florida rubra, 1-yr. buds | \$150.00 | |
|----------------------------------|----------|--|

| | | |
|---|--------|--|
| Cornus florida rubra Prosser, 1-yr. buds, 18 to 24 ins. | 200.00 | |
|---|--------|--|

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|----------------------------|-------|--|
| Ilex convexa, 6 to 12 ins. | 50.00 | |
|----------------------------|-------|--|

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|---------------------------------|-------|--|
| Ilex rotundifolia, 8 to 12 ins. | 50.00 | |
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|---------------------------------|-------|--|
| Buxus sempervirens, 6 to 9 ins. | 35.00 | |
|---------------------------------|-------|--|

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|-------------------------|-------|--|
| Pinus Mugo, 6 to 9 ins. | 50.00 | |
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|--------------------------|-------|--|
| Pinus Mugo, 9 to 12 ins. | 75.00 | |
|--------------------------|-------|--|

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| Pinus Thunbergii, 6 to 8 ins. | 30.00 | |
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|--------------------------------|-------|--|
| Pinus Thunbergii, 8 to 10 ins. | 50.00 | |
|--------------------------------|-------|--|

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|------------------------------|-------|--|
| Pinus austriaca, 6 to 8 ins. | 20.00 | |
|------------------------------|-------|--|

| | | |
|-------------------------------|-------|--|
| Pinus austriaca, 8 to 10 ins. | 30.00 | |
|-------------------------------|-------|--|

| | | |
|--------------------------------|-------|--|
| Pinus austriaca, 10 to 15 ins. | 40.00 | |
|--------------------------------|-------|--|

Above stock has been transplanted several times, ready to pot in Cloversets for call trade. Special price on large amounts.

VERKADE'S NURSERIES, Wayne, N. J.

STRONG, STURDY TAXUS LINERS

Excellent roots, bushy tops, healthy and happy.

| | Each | 100 | 1000 |
|--|------|-----|------|
|--|------|-----|------|

| | | | |
|--|--|--|--|
| CUSPIDATA (CAPITATA), Jap. seed, well spaced | | | |
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| | | | |
|---------------------------|--------|--------|--|
| 4 to 6 ins., strong stock | \$0.20 | \$0.18 | |
|---------------------------|--------|--------|--|

| | | | |
|---------------------------|-----|------|--|
| 6 to 8 ins., strong stock | .25 | .22½ | |
|---------------------------|-----|------|--|

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|----------------------------|-----|------|--|
| 8 to 10 ins., strong stock | .30 | .27½ | |
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|--------------------------------|-----|-----|--|
| 9 to 12 ins., XX, twice pruned | .50 | .45 | |
|--------------------------------|-----|-----|--|

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| VARIETIES BELOW, all 2-yr., X, bedded | | | |
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| | | | |
|-------------|-----|------|--|
| 6 to 8 ins. | .30 | .27½ | |
|-------------|-----|------|--|

| | | | |
|--------------|-----|------|--|
| 8 to 10 ins. | .35 | .32½ | |
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|---------------|-----|-----|--|
| 10 to 12 ins. | .40 | .36 | |
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|---|--|--|--|
| Cuspidata, 8 to 10 ins.; densiformis, 6 to 8 ins. | | | |
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| | | | |
|---|--|--|--|
| 8 to 10 ins. and 10 to 12 ins.; Vermoulen, 6 to 8 ins. and 8 to 10 ins. and 10 to 12 ins.; Hatfield, 6 to 8 ins. and 8 to 10 ins. and 10 to 12 ins.; Kelsey, 6 to 8 ins. and 8 to 10 ins. and 10 to 12 ins. | | | |
|---|--|--|--|

NEW VERTICALS, tall, narrow, hardy. Send for descriptions and prices.

STRONG, STURDY TAXUS

ROOTED CUTTINGS

Nothing sold that won't grow. Finer liners in every respect.

BREVIFOLIA, DENSIFORMIS, INTERMEDIA, VERMEULEN, HATFIELD, HICKS, KELSEY.

| | Each | 100 | 1000 |
|--|------|-----|------|
|--|------|-----|------|

| | | | |
|-------------|--------|--------|---------|
| 4 to 6 ins. | \$0.12 | \$0.09 | \$0.08½ |
|-------------|--------|--------|---------|

| | | | |
|-------------|-----|-----|------|
| 6 to 8 ins. | .13 | .10 | .09½ |
|-------------|-----|-----|------|

| | | | |
|--------------|-----|-----|-----|
| 8 to 10 ins. | .15 | .12 | .11 |
|--------------|-----|-----|-----|

CUSPIDATA, SPREADING.

| | | | |
|-------------|-----|-----|------|
| 6 to 8 ins. | .12 | .09 | .08½ |
|-------------|-----|-----|------|

| | | | |
|--------------|-----|-----|------|
| 8 to 10 ins. | .13 | .10 | .09½ |
|--------------|-----|-----|------|

CUSPIDATA, CAPITATA (upright, tip cuttings) and the NEW VERTICALS. (Send for descriptive list.)

| | | | |
|-------------|------|-----|--|
| 4 to 6 ins. | .13½ | .11 | |
|-------------|------|-----|--|

| | | | |
|-------------|-----|------|------|
| 6 to 8 ins. | .15 | .12½ | .11½ |
|-------------|-----|------|------|

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|--------------|------|-----|------|
| 8 to 10 ins. | .17½ | .15 | .13½ |
|--------------|------|-----|------|

| | | | |
|-------------------------------|-----|------|--|
| 10 to 12 ins. (Capitata only) | .20 | .17½ | |
|-------------------------------|-----|------|--|

Ready for shipment April and after. 2 per cent off for pick up.

JOHN VERMEULEN & SON, INC.

Neshanic Station, N. J.

LINING-OUT STOCK

| | | |
|-------------------------------|----------|----------|
| Ilex convexa, bullata, 1-year | \$150.00 | per 1000 |
|-------------------------------|----------|----------|

| | | |
|-------------------|--------|----------|
| Bed-grown, 2-year | 250.00 | per 1000 |
|-------------------|--------|----------|

| | | |
|----------------------------|-------|---------|
| Field-grown, 3-year, bushy | 75.00 | per 100 |
|----------------------------|-------|---------|

DIRKMAAT AZALEA FARM

516 Stevens Ave. Ridgewood, N. J.

LINING-OUT SHRUBS

Per 100 Per 1000

| | | |
|---------------------------------------|---------|----------|
| Euonymus alatus, 2-yr. T, 6 to 9 ins. | \$17.50 | \$150.00 |
|---------------------------------------|---------|----------|

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|---------------------------------|-------|--------|
| compactus, 3-yr. T, 6 to 9 ins. | 17.50 | 150.00 |
|---------------------------------|-------|--------|

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|--|-------|--------|
| yedoensis, 2-yr. T, 6 to 9 ins. (Bittersweet Tree) | 15.00 | 125.00 |
|--|-------|--------|

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|-------------------------|-------|--------|
| yedoensis, 9 to 12 ins. | 20.00 | 175.00 |
|-------------------------|-------|--------|

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|---|-------|--------|
| Forsythia Lynwood Gold, 1-yr. C, 6 to 12 ins. | 20.00 | 165.00 |
|---|-------|--------|

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|--|-------|--------|
| Hydrangea macrophylla rosea (Bouquet Rose, pink French. New), 1-yr. T. | 20.00 | 160.00 |
|--|-------|--------|

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|---|-------|--------|
| Kolkwitzia amabilis, 2-yr. T, 12 to 18 ins. | 17.50 | 150.00 |
|---|-------|--------|

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|------------------------|-------|--------|
| 2-yr. T, 18 to 24 ins. | 22.50 | 200.00 |
|------------------------|-------|--------|

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|--|-------|-------|
| Lonicera Zabelii, 1-yr. C, 10 to 12 ins. | 10.00 | 75.00 |
|--|-------|-------|

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|---------------------------------------|-------|--------|
| (Best red Honeysuckle), 12 to 18 ins. | 12.00 | 100.00 |
|---------------------------------------|-------|--------|

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|--|-------|-------|
| Ligustrum Vicari, rooted cuttings, 4 to 6 ins. | 10.00 | 80.00 |
|--|-------|-------|

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|---|-------|--------|
| (True dwarf golden type) Pyracantha Runyan Red, T, 6 to 12 ins. | 35.00 | 300.00 |
|---|-------|--------|

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|---------------|-------|--------|
| 12 to 15 ins. | 45.00 | 400.00 |
|---------------|-------|--------|

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|-------------------------------------|-------|-------|
| Rhodotypos kerrioides, 6 to 12 ins. | 10.00 | 75.00 |
|-------------------------------------|-------|-------|

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|--|-------|-------|
| Rhus Cotinus (Smoke Bush), 6 to 9 ins. | 11.00 | 90.00 |
|--|-------|-------|

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|----------------------------|-------|--------|
| Rhus Cotinus, 9 to 12 ins. | 13.50 | 115.00 |
|----------------------------|-------|--------|

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|---------------------------------------|-------|--------|
| Viburnum Burkwoodi, S. T, 6 to 9 ins. | 20.00 | 175.00 |
|---------------------------------------|-------|--------|

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|--|-------|--------|
| Viburnum Burkwoodi, S. T, 9 to 12 ins. | 25.00 | 200.00 |
|--|-------|--------|

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|---------------------------|-------|-------|
| Wrightii, S, 6 to 12 ins. | 10.00 | 85.00 |
|---------------------------|-------|-------|

EVERGREENS

Per 100 Per 1000

| | | |
|------------------------------------|---------|----------|
| Buxus Korean, 2-yr. T, 4 to 6 ins. | \$30.00 | \$250.00 |
|------------------------------------|---------|----------|

| | | |
|-----------------------------------|-------|--------|
| Juniper, Andorra, TT, 6 to 9 ins. | 20.00 | 180.00 |
|-----------------------------------|-------|--------|

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|---------------------------|-------|--------|
| Andorra, TT, 9 to 12 ins. | 22.50 | 200.00 |
|---------------------------|-------|--------|

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|---|-------|--------|
| Juniperus glauca Hetzi, TT, 10 to 12 ins. | 22.50 | 200.00 |
|---|-------|--------|

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|---------------------------|-------|--------|
| Pittzeriana, 6 to 10 ins. | 27.50 | 250.00 |
|---------------------------|-------|--------|

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|-------------------------------|-------|--------|
| Juniper, heavy, 12 to 15 ins. | 35.00 | 300.00 |
|-------------------------------|-------|--------|

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|--|-------|--------|
| Thuja Americana nigra, TT, 10 to 15 ins. | 30.00 | 250.00 |
|--|-------|--------|

| | | |
|-------------------------------|-------|--------|
| pyramidalis, T, 10 to 15 ins. | 30.00 | 250.00 |
|-------------------------------|-------|--------|

Send for complete trade list. Lining-out and finished stock.

SCARFF'S NURSERY, INC.

Box 5 New Carlisle, O.

LINING-OUT STOCK

Per 100 Per 1000

| | | |
|------------------|---------|----------|
| ILEX C. BURFORDI | \$17.50 | \$150.00 |
|------------------|---------|----------|

| | | |
|-------------|-------|--------|
| 2½-in. pots | 15.00 | 135.00 |
|-------------|-------|--------|

| | | |
|----------------------|-------|--------|
| 8 to 12-in. cuttings | 17.50 | 150.00 |
|----------------------|-------|--------|

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|-----------------------|-------|--------|
| 12 to 18-in. cuttings | 17.50 | 150.00 |
|-----------------------|-------|--------|

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|---------------------|-------|--------|
| ILEX CORNUTA FEMINA | 17.50 | 160.00 |
|---------------------|-------|--------|

| | | |
|-------------|-------|--------|
| 2½-in. pots | 15.00 | 135.00 |
|-------------|-------|--------|

| | | |
|----------------------|-------|--------|
| 8 to 12-in. cuttings | 15.00 | 135.00 |
|----------------------|-------|--------|

| | | |
|----------------------|-------|--------|
| ILEX CRENATA BULLATA | 12.50 | 110.00 |
|----------------------|-------|--------|

| | | |
|---------------------|-------|--------|
| 6 to 8-in. cuttings | 15.00 | 135.00 |
|---------------------|-------|--------|

| | | |
|----------------------|-------|-------|
| 8 to 12-in. cuttings | 10.00 | 90.00 |
|----------------------|-------|-------|

| | | |
|---------------------|-------|--------|
| 6 to 8-in. cuttings | 12.50 | 110.00 |
|---------------------|-------|--------|

| | | |
|-----------------------|-------|--------|
| 12 to 15-in. cuttings | 15.00 | 135.00 |
|-----------------------|-------|--------|

MAGNOLIAS—Continued

| ORIENTAL MAGNOLIAS | | |
|------------------------------|--------|---------|
| MAGNOLIA SOULANGEANA | 10 | 100 |
| 8 to 12 ins., 2-year liners | \$3.00 | \$25.00 |
| 12 to 18 ins., 2-year liners | 3.50 | 30.00 |
| 18 to 24 ins., 2-year liners | 4.00 | 35.00 |

BLACKWELL NURSERIES

Semmes, Ala.

PEONIES**MAY-FLOWERING PEONIES**

Officialis rubra plena, double red; Officialis rosea plena, double pink; Officialis alba plena, double white, \$400.00 per 1000 (250 roots at 1000 price), \$42.00 per 100, \$22.00 per 50, \$11.50 per 25. Recommended for planting in paper pots to sell as a spring plant.

Peonies, sinensis, Adolphe Rousseau, deep red; Albert Crousse, light rose-pink; Edulis Superba, early pink; Felix Crousse, fine red; Festiva maxima, deep red; Karl Rosefeld, deep red; Mme. Jules Desmets light pink, 3 to 5-eye roots, \$300.00 per 1000 (250 roots at 1000 price), \$35.00 per 100, \$18.50 per 50, \$9.75 per 25.

SPECIAL: 100 roots, 10 each of 10 varieties, labeled, for only \$35.00.

NEW ENGLAND BULB CO.

Box 743 New London, Conn.

TREE PEONIES

ONE-YEAR GRAFTS, \$15.00 per 10.
ATHA GARDENS, WEST LIBERTY, O.

PRIVET**CALIFORNIA PRIVET**

(Ligustrum ovalifolium)

Heavily rooted, best quality.
18 to 24 ins. \$ 50.00 per 1000
2 to 3 ft. 100.00 per 1000
Ask for special quotations on larger quantities.

BOULEVARD NURSERIES

Newport, R. I.

RHODODENDRONS

RHODODENDRONS
For immediate shipment. Unnamed hybrids of hardy ponticum, catawbiense parentage. Good foliage. For understock, growing on or over the counter sales, with firm lightweight ball, twice transplanted, bed-grown.

4 to 6 ins. \$0.50 each
6 to 8 ins.25 each
8 to 12 ins.30 each
50 plants per crate. Order by crate only. Lightweight, expert frost-proofed crating free. Cash with order.

RICHARD RESSEL NURSERY
Molino, Ore.

RHODODENDRON HYBRIDS.

1-year, field-grown grafted plants, imported from Holland in the spring, \$75.00 per 100, \$350.00 per 500, \$650.00 per 1000 lot. List of varieties on demand.

PARMENTIER'S ROSES

Bayport, L. I., N. Y.

RHODODENDRON HYBRIDS

1-year, field-grown grafted plants imported from Holland in the spring, \$75.00 per 100, \$350.00 per 500, \$650.00 per 1000 lot. List of varieties on demand.

VERKADE'S NURSERIES, Wayne, N. J.

ROSEBUSHES**NORTHERN OHIO GROWN**

FORCING ROSES FOR EASTER.
MOTHER'S DAY AND DECORATION DAY.
Polyantha Triomphe Orleansais, cherry-red. The old reliable.

XX No. 1 1/4 No. 2
Per 100, each \$0.45 \$0.30 \$0.20
Per 1000, each40 .25 .15

Carefully harvested, generously graded. Complete surplus list of Polyanthas, Hybrid Teas, Floribundas and Climbers, now ready.

For over 30 years a consistently reliable source of fine roses.
GERARD K. KLYN, INC., MENTOR, O.
Wholesale Rose Growers and Nurserymen

ROSEBUSHES**2-YEAR PLANTS.**

Grown, graded and packed to perfection. 246 varieties and 12 different types to choose from.

WRITE TODAY FOR PRICES
AND HOOK YOUR REQUIREMENTS NOW!

ROSEMONT NURSERIES

D. L. Thompson, Owner
Dept. AN
Tyler, Tex.

ROSEBUSHES**WHOLESALE ONLY.****I GIVE UP!**

After several hours trying to write an ad with sales appeal, will simply say they are the best I have ever seen. Write for complete list and prices today.
NEW LONDON ROSES

Box 876 Overton, Tex.

THORNY ROSA MULTIFLORA

Order for fall or spring delivery

| | |
|---------------------------|------------------|
| 2 to 3 mm. caliper. | \$10.00 per 1000 |
| 3 to 6 mm. caliper. | 16.00 per 1000 |
| 6 to 12 mm. caliper. | 30.00 per 1000 |

Bed-run, 2 mm. up. 12.50 per 1000

10 per cent off on orders of 10,000 or more.

No packing charge, F.O.B. Vandalla, Ill.

Also seed from thorny, upright plants.

MESTEL NURSERY

Route 2

Vandalla, Ill.

ROSES

For a dependable source of high-quality, hardy, field-grown roses at reasonable prices, write for our list of standard and patented varieties. Booking orders now for late fall or next spring delivery. The home of good roses.

THE KRIDER NURSERY, INC.

Middlebury, Ind.

FIELD-GROWN ROSEBUSHES**FINEST QUALITY**

Hybrid Teas, Floribundas,
Polyanthas and Climbers.

Price and variety list on request.

WELLS BROS. NURSERY

Box 625 Lindale, Tex.

ARP-GROWN ROSEBUSHES, beautifully packaged for display or direct-to-garden mail order and bare-root for landscape. Service to nurseries for 34 years. Write for price list. **ARP NURSERY CO., WHOLESALE GROWER, Box 3338-A, Tyler, Tex.**

MENTOR-GROWN ROSES

PATENTED AND COMMON
Visitors welcome. Price list on request.

PINNEY NURSERY, Box 64, Mentor, O.

SEEDS**COLORADO'S FINEST SEED**

Blue Spruce, germ. 90 per cent. \$ 8.00 per lb.
Blue Douglas Fir, germination
92 per cent. 10.00 per lb.
Concolor Fir, germ. 75 per cent. 3.00 per lb.
Engelmann Spruce, germination
80 per cent. 6.00 per lb.
Certificate of origin furnished.

FORESTRY ASSOCIATES

922 East Tighman St. Allentown, Pa.

COLORADO 1955 CROP

Colorado Blue Spruce \$ 8.50 per lb.
Concolor Fir 3.00 per lb.
Pinon Pine 2.50 per lb.
Black Hills Spruce (limited) 11.50 per lb.
Postage paid if payment with order.

WESTERN EVERGREENS

Rt. 1 Golden, Colo.

Nandina seed, \$1.50 per lb.; 50 lbs. or more,
\$1.35 per lb. Minimum order 2 lbs. Cash
with order, please. Express collect.
Andrew's Nursery, P. O. Box 442, Chapel
Hill, N. C.

SHRUBS AND TREES**NORTH ALABAMA****FIELD-GROWN LINERS**

| | Per 100 |
|---|---------|
| Juniperus albo-variegata, 1-yr., f.g. | |
| 8 to 12 ins. | \$12.00 |
| Andorra Juniper, 1-yr., f.g., 6 to 12 ins. | 10.00 |
| English Juniper, 1-yr., f.g., 12 to 15 ins. | 10.00 |
| Juniperus fastigiata, 1-yr., f.g. | |
| 8 to 12 ins. | 12.00 |
| Hetz Juniper, 1-yr., f.g., 6 to 12 ins. | 10.00 |
| Hetz Juniper, 2-yr., T. f.g., 8 to 12 ins. | 15.00 |
| Hetz Juniper, 2-yr., T. f.g., 12 to 15 ins. | 20.00 |
| Juniperus Kosteri, 1-yr., f.g. | |
| 6 to 12 ins. | 12.00 |
| Savin Juniper, 1-yr., f.g., 8 to 12 ins. | 10.00 |
| Von Ehron Juniper, 1-yr., f.g. | |
| 8 to 12 ins. | 10.00 |
| Waukegan Juniper, 1-yr., f.g. | |
| 8 to 12 ins. | 10.00 |
| Cotoneaster divaricata, 2-yr., TT. | |
| 15 to 18 ins. | 15.00 |
| Euonymus patens, 2-yr., TT. 8 to 12 ins. | 15.00 |
| Jasminum nudiflorum, 2-yr., TT. | |
| 12 to 18 ins. | 12.00 |
| Laurocerasus caroliniana, 1-yr (S), f.g. | |
| 8 to 12 ins. | 5.00 |
| Ligustrum japonicum, 1-yr. (S), f.g. | |
| 12 to 18 ins. | 7.50 |
| Hetz Burfordi, 2 1/2-in. pots | 15.00 |
| Hetz convexa, 2 1/2-in. pots | 15.00 |
| Hetz rotundifolia, 2 1/2-in. pots | 15.00 |

ATHENS NURSERY CO.

Athens, Ala.

PYGMY DWARF RED BARBERRY

Per 100 Per 1000

4 to 6 ins., 2-yr., T. \$35.00 \$300.00

6 to 8 ins., 2-yr., T. 45.00 400.00

PYRACANTHA RUNYAN RED

(Best hardy orange-red, heavy fruiting type)

9 to 12 ins., T. \$35.00 \$300.00

12 to 15 ins., T. 45.00 400.00

VICARY GOLDEN PRIVET

(True dwarf type.)

The aristocrat of golden leaved shrubs.

Rooted cuttings, 4 to 6 ins. \$10.00 \$80.00

Send for complete trade list.

Lining-out Evergreens and shrubs.

SCARFF'S NURSERY, INC.

Box 5 New Carlisle, O.

SPRING 1956**POTTED GRAFTS, 1-YEAR**

All stock is well-rooted.

| | Per 100 |
|--|---------|
| Acer palmatum atropurpureum | \$75.00 |
| Fagus sylvatica atropurpurea | 75.00 |
| Pinus parviflora glauca | 65.00 |
| Pinus Cembra | 65.00 |
| Tsuga canadensis Sargentii | 65.00 |
| Wistaria multi-juga, lavender | 50.00 |
| Fagus sylvatica, grafting grade, \$12.00 per 100, \$100.00 per 1000. | |

ROOTED CUTTINGS, BEDDED 1-YEAR

Per 100 Per 1000

| | | |
|-----------------------------|---------|----------|
| Azalea Hino-Crimson | \$15.00 | \$125.00 |
| Azalea Hinodegiri | 15.00 | 125.00 |
| Pieris japonica | 15.00 | 125.00 |
| Buxus sempervirens | 10.00 | 90.00 |
| Euonymus patens | 10.00 | |
| Ilex bullata | 10.00 | 85.00 |
| Ilex crenata | 10.00 | 90.00 |
| Ilex rotundifolia | 12.00 | 100.00 |
| Juniper, Andorra | 12.00 | 100.00 |
| Juniper, communis aurea | 12.00 | |
| Juniper, Hetz | 12.00 | 100.00 |
| Taxus brevifolia | 10.00 | |
| Juniper, Pfitzer | 12.00 | 100.00 |
| Juniper, stricta | 12.00 | 100.00 |
| Pachysandras | 4.00 | 35.00 |
| Pyracantha Lalandi, potted | 15.00 | |
| Pyracantha Lalandi | 8.00 | |
| Retinispora plumosa globosa | 10.00 | |
| Taxus canadensis | 10.00 | 90.00 |
| Taxus cuspidata | 10.00 | 90.00 |
| Taxus Hatfieldi | 10.00 | 90.00 |
| Taxus Hicksi | 10.00 | 90.00 |
| Taxus repandens | 12.00 | |
| Thuja globosa compacta | 10.00 | 90.00 |
| Thuja globosa Woodwardi | 10.00 | 90.00 |
| Thuja Geo. Peabody | 10.00 | |
| Thuja pyramidalis | 10.00 | |
| Thuja nigra | 10.00 | 90.00 |
| Thuja Vervaeana | 10.00 | |

TRANSPLANTS

| | | |
|---------------------------------|-------|--------|
| Azalea Hindegiri, 2-yr., trans | 30.00 | .... |
| Azalea Hino-Crimson, | | |
| 2-yr. trans | 30.00 | .... |
| Thuja occidentalis | 10.00 | 90.00 |
| Picea excelsa | 6.00 | 50.00 |
| Picea pungens glauca | 7.00 | 60.00 |
| Picea, White Spruce | 6.00 | 50.00 |
| Tsuga canadensis, 5 to 8 ins. | 10.00 | 95.00 |
| Tsuga canadensis, 8 to 10 ins. | 15.00 | 140.00 |
| Tsuga canadensis, 10 to 12 ins. | 20.00 | 190.00 |

1-YEAR SEEDLINGS

| | | |
|-----------------------------|------|-------|
| Acer palmatum | 4.00 | 35.00 |
| Euonymus alatus compactus | 5.00 | 40.00 |
| Fagus sylvatica | 7.00 | 65.00 |
| Taxus capitata | 5.00 | 40.00 |
| Taxus capitata, transplants | 6.00 | 50.00 |

2-YEAR SEEDLINGS

| | | |
|------------------------------|-------|-------|
| Douglas Fir | 4.00 | 35.00 |
| Ilex crenata | 4.00 | 35.00 |
| Taxus capitata, 5 to 8 ins. | 8.00 | 70.00 |
| Taxus capitata, transplants, | | |
| 5 to 6 ins. | 10.00 | 90.00 |
| Thuja orientalis | 3.50 | 30.00 |
| Wistaria sinensis | 5.00 | |
| Syringa vulgaris | 3.50 | 30.00 |

3-YEAR SEEDLINGS

| | | |
|--------------------------------|-------|-------|
| Balsam Fir | 4.00 | 35.00 |
| Picea excelsa | 3.50 | 25.00 |
| Picea pungens glauca | 4.00 | 35.00 |
| Picea rubens, transplants | 6.00 | 50.00 |
| Picea, White Spruce | 3.50 | 25.00 |
| Pinus densiflora | 5.00 | 40.00 |
| Pinus Mughus Tyrolean, | | |
| transplants | 6.00 | 50.00 |
| Pinus Strobus | 3.50 | 25.00 |
| Pinus sylvestris | 3.50 | 25.00 |
| Tsuga canadensis | 6.00 | 50.00 |
| Tsuga caroliniana, transplants | 10.00 | |

VAN DINE NURSERY

Berdan Ave. Preakness, N. J.

ORDER YOUR**ROOTED CUTTINGS****NOW**

Cuttings taken from clean, healthy, vigorous plants and rooted by us in our own greenhouses. We are accepting orders for delivery April and May, 1956.

| | |
|--------------------|------------------------|
| Ilex convexa | Juniperus Pfitzeriana |
| Ilex rotundifolia | Juniperus Andorra |
| Ilex microphylla | Taxus Hicksi |
| Ilex Helleri | Taxus Hunnewelliana |
| Ilex Glabra | Taxus cuspidata |
| Ilex glabra | Arborvitae pyramidalis |
| Ilex crenata | Arborvitae Woodwardi |
| (upright) | (globe) |
| Buxus sempervirens | |

Ilex and Taxus \$85.00 per 1000

Arborvitae 80.00 per 1000

Arborvitae and Boxwood 75.00 per 1000

Shipped according to your directions. Shipping charges added to order. Packing free.

CONNER & AMES, INC.

123 Dutch Rd.

Charleston, W. Va.

MAGNOLIAS

Soulangeana, heavy 6 ft. B&B, \$7.50;
heavy 5 ft. B&B, \$6.00; heavy 4 ft. B&B,
\$5.00; heavy 3 ft. B&B, \$2.50; 2 to 3 ft.,
3-year-old, in beds, \$1.50, B.R.; 18 to 24 ins.
2-year, in beds, \$1.00. Magnolia stellata, 3 1/2
ft., very heavy, B&B, \$4.50; 4 1/2 ft., very
heavy, B&B, \$6.50; 5 1/2 ft., very heavy, \$8.50;
6 ft., very heavy, \$12.50. Also Magnolias
speciosa, nigra, Leneel, rustica rubra, parviflora
and Alexandrina.

BAIER LUSTGARTEN NURSERIES

Jericho Turnpike, Middle Island, L. I., N. Y.

Phone Yaphank 4-3444

PINK DOGWOOD

| | |
|----------------------------|--------|
| 5 to 6 ft., 2-yr., B.R. | \$4.50 |
| 4 to 5 ft., 2-yr., B.R. | 3.50 |
| 3 to 4 ft., 2-yr., B.R. | 2.50 |
| 30 to 36 ins., 2-yr., B.R. | 1.50 |
| 24 to 30 ins., 2-yr., B.R. | 1.25 |
| 3 to 4 ft., 1-yr., B.R. | 2.00 |
| 24 to 30 ins., 1-yr., B.R. | 1.50 |
| 18 to 24 ins., 1-yr., B.R. | 1.00 |
| 12 to 18 ins., 1-yr., B.R. | .65 |
| 6 to 12 ins., 1-yr., B.R. | .50 |

Pink Dogwood, dormant budded liners, \$25.00 per 100

WHITE DOGWOOD

| | |
|----------------------------|--------|
| 5 to 6 ft., 2-yr., B.R. | \$2.50 |
| 4 to 5 ft., 2-yr., B.R. | 1.50 |
| 3 to 4 ft., 2-yr., B.R. | 1.00 |
| 2 to 3 ft., 2-yr., B.R. | .50 |
| 18 to 24 ins., 2-yr., B.R. | .30 |

IKE HAWKESMITH NURSERY
Winchester, Tenn.

CORNUS FLORIDA RUBRA

| | |
|--------------------------------|--------|
| Pink Dogwood from transplants. | |
| 5 to 6 ft., br., 2-yr. | \$4.00 |
| 4 to 5 ft., br., 2-yr. | 3.00 |
| 3 to 4 ft., br., 2-yr. | 2.00 |
| 2 to 3 ft., br., 2-yr. | 1.25 |
| 2 to 3 ft., br., 1-yr. | 1.50 |
| 2 to 3 ft., br., 1-yr. | 1.00 |
| 18 to 24 ins., br., 1-yr. | .75 |

CORNUS FLORIDA PLENA

| | |
|----------------------|------|
| Double White Dogwood | |
| 3 to 4 ft., br. | 1.75 |
| 2 to 3 ft., br. | 1.25 |

CORNUS FLORIDA

| | |
|-----------------|------|
| White Dogwood | |
| 4 to 5 ft., br. | 1.50 |
| 3 to 4 ft., br. | 1.00 |
| 2 to 3 ft., br. | .50 |

Add 50c extra for B&B.
CRIMSON DALE NURSERY
Winchester, Tenn.

JAPANESE RED MAPLE SEEDLINGS
ACER PALMATUM, ACER PSEUDOPLATANUS
Nicely branched transplants, ready for
potting or open field planting.

| | |
|--|---------------|
| Each, 100 250 up | |
| 2-yr., 8 to 10 ins. | \$0.48 \$0.45 |
| 2-yr., 10 to 15 ins. | .60 .58 |
| Extra well-branched (pinched back) transplants for field planting or potting in 6-in. pots as a garden mat item. | |
| 3-yr., 8 to 10 ins. | .62 .60 |
| 3-yr., 10 to 15 ins. | .75 .73 |

Shipped dormant, packed in sphagnum moss. A 20 per cent deposit requested on all orders. Balance on delivery or C.O.D. unless otherwise agreed.

ALL SEEDLINGS OFFERED FOR SALE ARE RED.

HUBBS NURSERIES

Rt. 130 Riverton, N. J.

SHRUBS AND TREES

Each, 100 1000

| | |
|--|---------------|
| EUONYMUS VEGETUS, 4 leaders and up, 2 yrs. in nursery row. | |
| 10 to 12 ins., br. | \$0.50 \$0.45 |
| 12 to 15 ins., br. | .55 .50 |
| 15 to 18 ins., br. | .75 .70 |
| 8 to 10 ins., spec. leaders. | .30 .25 |

PACHISTIMA CANEYI, 6 to 8 ins. .35

VIBURNUM BURKWOODI, bare-root

| | |
|---------------|---------------|
| 18 to 24 ins. | \$0.50 \$0.45 |
| 24 to 30 ins. | .75 .65 |

Ask for our complete list of finished nursery stock. Also liners of *Hier. rotundifolia*, *Hetzl. convexa*, *Pieris japonica*. True red Japanese Maples, *Azaleas*, *Palestina*, *Othello*, *Kathleen*, *Fedora*, *Aladdin*. Fine stock for our loose bottom one-gallon Nurseries.

GERARD K. KLYN, INC., Mentor, O.
Wholesale Rose Growers and Nurserymen

DELIVERY NOW.

EUONYMUS VEGETUS

Large-leaved winter creeper, 12 to 15 ins.

| | |
|--------------------------------|-----|
| DEUTZIA GRACILIS | |
| Slender Deutzia, 15 to 18 ins. | .60 |
| 18 to 24 ins. | .50 |

PHILADELPHUS AUREUS

| | |
|-------------------------------|-----|
| Golden Syringa, 15 to 18 ins. | .80 |
| 18 to 24 ins. | .90 |

2 to 3 ft. .1.00

PHILADELPHUS VIRGINALIS

| | |
|-----------------------------------|-----|
| Double Mock-Orange, 18 to 24 ins. | .35 |
| 2 to 3 ft. | .45 |
| 3 to 4 ft. | .65 |

SPIRAEA ANTHONY WATERER.

| | |
|---------------|-----|
| 15 to 18 ins. | .45 |
| 18 to 24 ins. | .55 |

FRENCH NURSERY CO., CLYDE, O.

VIBURNUM CARLESI

This is the first time since the beginning of the war that we have been able to offer a supply of *Viburnum Carlesi* seedlings. All these years we have not been able to buy any seed and still cannot, but can offer these seedlings because we have our own seed by this time. We offer the following for spring, 1956:

| | | |
|-------------------------|---------|----------|
| Strong, 2-yr. seedlings | Per 100 | Per 1000 |
| 4 to 6 ins. | \$15.00 | \$125.00 |
| 6 to 8 ins. | 20.00 | 175.00 |
| 8 to 12 ins. | 30.00 | 250.00 |

Transplants, branched, mail-order size, 12 to 18 ins., \$75.00 per 100.

C. HOOGENDOORN
Turner Rd. Newport, R. I.

LINERS

| | |
|---|--------|
| Azalea mollis, 3-yr., br., 6 to 8 ins. | \$0.35 |
| altacarensis, 3-yr., 4 to 6 ins., br. | .35 |
| Clematis montana, 3-in. pots | .35 |
| Clematis Ramona, 2-yr.; qt. cans | 1.00 |
| Gentiana acaulis, 6 to 8-in. spread | 1.00 |
| Jun. tamaricifolia, 9 to 12 ins., 3-yr. | .35 |
| Moerheim Blue Spruce, 2-yr. grafts | 1.75 |
| Pieris japonica, rooted cuttings | .30 |
| Viburnum Burkwoodi, rooted cuttings | .15 |
| Burkwoodi, 3-in. pots | .35 |
| Woodward Globe Arborvitae, 6 to 8 ins., 2-yr. transplants | .15 |

Cash with order, please.
FOUR STAR NURSERY
8215 238th S. W. Edmonds, Wash.

SHRUBS AND TREES

| | |
|--|---------|
| Amor River Privet, 1-yr., heavy rooted cuttings. | 1000 |
| 9 to 24 ins., 2 or more canes | \$35.00 |
| 9 to 24 ins., 1 cane | 25.00 |
| 6 to 9 ins., 2 or more canes | 25.00 |
| Cornus Sibirica, 24 to 30 ins. | 50.00 |
| Bohemian Privet, 3-yr., 3 to 4 ft., 200 each. | |
| English Privet, 3-yr., 2 to 3 ft., 200 each. | |
| Pfitzer Juniper, 18 to 24 ins., \$2.50. | |
| Pfitzer Juniper, 24 to 30 ins., \$3.00. | |

R.F.D. 3 PAUL'S NURSERY Shelby, O.
Phone 32161

DWARF ARCTIC WILLOW

| | |
|-----------------------------|---------|
| Rooted cuttings | Per 100 |
| 5 to 10 in., bushy | \$ 3.00 |
| 15 to 18 ins., 2-yr., heavy | 6.00 |
| 18 to 24 ins., 2-yr., heavy | 18.00 |
| 2 to 3 ft., 2-yr., heavy | 22.00 |
| 2 to 3 ft., 1-yr., heavy | 25.00 |

CALIFORNIA PRIVET

| | |
|-----------------------------|-------|
| Rooted cuttings | 2.50 |
| 6 to 12 ins., branched | 3.50 |
| 12 to 18 ins., branched | 6.00 |
| 18 to 24 ins., 2-yr., heavy | 10.00 |
| 2 to 3 ft., 2-yr., heavy | 15.00 |
| 3 to 4 ft., 2-yr., heavy | 20.00 |

SECOR'S NURSERY, PERRY, O.

LINING-OUT STOCK

| | |
|--|---------|
| Deutzia gracilis, transplants. | Per 100 |
| 8 to 12 ins., bushy | \$15.00 |
| Viburnum tomentosum, 2-yr. transplants, 8 to 12 ins. | 17.50 |
| Spiraea Anthony Waterer, transplants, 6 to 8 ins. | 15.00 |
| Viburnum Lantana, transplants, 10 to 15 ins. | 12.00 |
| Mahonia Aquifolium, seedlings, 3 to 6 ins., bed-run | 4.00 |

JOHN BOS NURSERY, CLYDE, O.

WEEPING WILLOWS

| | |
|------------------------------------|---------------|
| Salix niobe, 2-yr., staked plants. | |
| 4 to 5 ft., B.R. | Per 100 rate |
| 5 to 6 ft., B.R. | \$0.45 \$0.35 |
| 6 to 8 ft., B.R. | .75 .55 |
| 8 to 10 ft., B.R. | 1.00 .75 |

Ask for special quotations on B&B Willows.
BOULEVARD NURSERIES
Newport, R. I.

COTONEASTERS

| | |
|--|--|
| Horizontalis, 2½-in. pots, \$15.00 per 100; | |
| 6-in. cans, \$1.00. Divaricata, 2½-in. pots, \$15.00 per 100; 6-in. cans, \$1.00. Praecox, 2½-in. pots, \$20.00 per 100; 6-in. cans, \$1.50. | |

HAIR LUSTGARTEN NURSERIES

Jericho Turnpike, Middle Island, L. I., N. Y.

Phone YApank 4-3444

For \$3.50

you can offer that surplus in a classified ad of 10 lines on these pages—quickly and easily turning stock into cash.

AT 35c PER LINE

you can keep a list of specialty items before trade buyers through the selling season at small cost.

Send your copy (count 6 average words to line) for the next issue to reach us by December 30.

Forms for February 1 issue will close Friday, January 13.

AMERICAN NURSERYMAN

343 S. Dearborn St. CHICAGO 4, ILL.

ACER DASYCARPUM (SILVER MAPLE)

| | |
|--------------------------|-----------------|
| Per 100 Per 1000 | |
| 6 to 12 ins., S. | \$ 1.25 \$ 8.00 |
| 12 to 18 ins., S. | 2.00 12.50 |
| 12 to 18 ins., T., heavy | 3.00 20.00 |
| 18 to 24 ins., T., heavy | 3.25 30.00 |
| 4 to 6 ft., br. | 35.00 |

ULMUS PUMILA (Chinese Elm)

| | |
|-------------------|----------------|
| Per 100 Per 1000 | |
| 4 to 12 ins., S. | \$1.00 \$ 8.00 |
| 12 to 18 ins., S. | 1.50 12.50 |

EDMOND L. BABCOCK NURSERY
Danaville, N. Y.

SHRUBS AND TREES

| | |
|------------------------------|-----------------|
| Per 100 Per 1000 | |
| Cherry-Laurel, 12 to 18 ins. | \$ 4.00 \$25.00 |
| 18 to 24 ins. | 6.00 50.00 |
| Yaupon Holly, 6 to 12 ins. | 5.00 40.00 |
| 12 to 18 ins. | 8.00 70.00 |
| Magnolia grand., 4 to 8 ins. | 6.00 50.00 |
| 6 to 12 ins. | 8.00 75.00 |
| Live Oaks, 12 to 18 ins. | 4.00 35.00 |
| 2 to 3 ft. | 10.00 80.00 |
| American Holly, 6 to 12 ins. | 10.00 90.00 |

L. H. BUTTER NURSERY CO.
Forest Hill, La.

HEAVY ROOTED FIELD-GROWN LINERS

| | |
|-----------------------------|---------------|
| 100 1000 | |
| Greek Juniper, 8 to 12 ins. | \$0.12 \$0.10 |
| Hetz Juniper, 6 to 8 ins. | .17½ .15 |
| Savin Juniper, 6 to 12 ins. | .12 .10 |
| Abelias, 8 to 12 ins. | .10 .07½ |

ALSO IN POTS

| | |
|----------------------------|---------|
| Burford Holly, 2½-in. pots | .18 .15 |
|----------------------------|---------|

B&B stock, general run nursery stock, get my prices. Will appreciate having you visit my nursery at Kolola Springs, Miss. Terms: Cash; 2 per cent discount, packing free.

GRANT'S NURSERY, Kolola Springs, Miss.

CHINESE ELM LINERS

| | |
|------------------|-----------------|
| 12 to 24 ins. | \$ 1.00 per 100 |
| 2 to 3 ft. | 4.00 per 100 |
| 3 to 4 ft. | 6.00 per 100 |
| 4 to 5 ft., B.R. | 10.00 per 100 |
| 5 to 6 ft., B.R. | .30 each |

TRANSPLANTS

| | |
|---------------------------|-----------|
| 6 to 7 ft., ½ to ¾ in. | .75 each |
| 7 to 8 ft., ¾ to 1 in. | 1.00 each |
| 8 to 9 ft., 1 to 1½ in. | 1.50 each |
| 9 to 10 ft., 1½ to 2 in. | 2.00 each |
| 10 to 12 ft., 2 to 2½ in. | 3.00 each |

WEITZEL'S NURSERY, North Platte, Neb.

CHINESE ELM

Transplants, branched.

| | |
|-------------|---------|
| Per 100 | |
| 4 to 6 ft. | \$25.00 |
| 6 to 8 ft. | 50.00 |
| 8 to 10 ft. | 90.00 |

25 at the 100 rate. Liberal grading.

Liners of the above 2 to 4 ft. Most all will run 3 to 4 ft., \$5.00 per 100, \$45.00 per 1000.

GRUNDY'S GARDENS

Anton, Tex.

FINISHED STOCK

2000 Symphoricarpos vulgaris (Coral-Berry)

Each, per 100

| | |
|--------------------------------------|--------|
| 2 to 3 ft., well rooted field plants | \$0.75 |
| Alnus glutinosa (European Alder) | Each |
| 5 to 6 ft. | \$0.75 |
| 6 to 8 ft. | 1.00 |

F.O.B. Westminster, Md.

Plus packing.

WESTMINSTER NURSERIES, INC.

Box 227 Westminster, Md.

FLOWERING CRABS

40 varieties, best of the old and newer varieties. 1-yr. whips and branched. Also 3-yr., once transplanted, 6 to 8 ft. Descriptive booklet available.

THUNDERCLOUD PURPLE-LEAVED PLUM

1-yr., well-branched; sizes to 6 ft. and over.

SIMPSON ORCHARD CO.

U. S. 50 E. Vincennes, Ind.

50,000 SHADE TREES

CHINESE ELM

| | |
|-------------------------|--------|
| 5 to 6 ft., ½-in. | \$0.50 |
| 6 to 8 ft., ¾-in. | .75 |
| 8 to 10 ft., 1-in. cal. | 1.00 |
| 14 to 1½-in. cal. | 1.50 |
| 1½ to 2-in. cal. | 2.00 |

Reduced price if in truckload lots.

Phone 116

LUKE NURSERY, PAULS VALLEY, OKLA.

CORNUS FLORIDA

6-yr. transplants, heavy, 3 to 4 ft., \$1.00; B. R., B&B, \$1.50; 1-yr. seedlings, 6 to 8 ins., \$30.00 per 1000; 2-yr. seedlings, 12 to 18 ins., \$50.00 per 1000; 3 and 4-yr., 24 to 36 ins., \$100.00 per 1000.

HAIR LUSTGARTEN NURSERIES

Jericho Turnpike, Middle Island, L. I., N. Y.

ABELIA GRANDIFLORA

Heavily branched, excellent color.

| | |
|------------------|------------------|
| Per 100 Per 1000 | |
| 18 to 24 ins. | \$35.00 \$300.00 |
| 2 to 3 ft. | 40.00 350.00 |

Special discount on carload or truck lots.

CHIPOLA NURSERIES

Marianna, Fla.

THUJA ORIENTALIS

2-year seedlings.

| | |
|------------------|--|
| \$5.00 per 100 | |
| \$28.00 per 1000 | |

BORK NURSERY

Onarga, Ill.

SHRUBS and TREES—Continued

CORNUS FLORIDA RUBRA
18 to 24 ins., 1-yr., B.R., \$1.00 each
2 to 3 ft., 1-yr., B.R., 1.25 each
3 to 4 ft., 1-yr., B.R., 1.55 each
These trees are well balanced as to caliper, height and root system. Budded on transplanted Cornus florida seedlings. Can supply all grades in 1000 lots. Ask for our price list.

BYERS NURSERY CO.
Chase, Ala.

SURPLUS STOCK
Write for our new wholesale price list and send us your want lists for special quotations. We have a good supply of many items and can quote attractive prices.

CHAMPION NURSERIES
Perry, O.

SHRUBS AND TREES
See our Classified ad in this issue under **LINING-OUT STOCK.**
T. G. OWEN & SON, INC.
Columbus, Miss.

TRITOMAS

TRITOMA PFITZNER (Red Hot Poker)
No seedlings. True, all fall and summer blooming. The exclamation point of the garden.
100 strong plants, \$15.00; 250 strong plants, \$30.00; 1000 strong plants, \$100.00; 10,000 strong plants, \$900.00.

Order now. Can be shipped from today until April 1, 1956.
JOHN M. ELZINGA
P. O. Box 142 Benton Harbor, Mich.

More customers for you!
Over 8,000 subscribers, all active buyers, see your ad in the American Nurseryman.

WANTED

WANTED
50,000 Canadian Hemlocks.
Plants that have been transplanted for 2 years.
GARDNER'S NURSERIES, INC.
Rocky Hill, Conn.

WANTED

COLORADO BLUE SPRUCE
Bushy transplants,
9 to 12 ins., bare-root, 1000 or more.
Also larger B&B Colo. Spruce.
PFITZER JUNIPER, 500 bushy transplants,
18 ins., bare-root.
TAXUS, heavy, 12 to 15 ins., bed-grown liners or bare-root, field-grown plants, for mail order shipping. 500 Hicks, 500 densiformis (or similar spreader) and 500 capitata. Also need truckload of larger B&B Taxus.
BUXUS SEMPERVIRENS, 800 10 to 12 ins., bare-root.
FORREST KEELING NURSERY
Elsberry, Mo.

WANTED

500 upright and spreading Yews,
18 to 24 ins., 24 to 30 ins.
Rush best prices.
SHERIDAN ROAD NURSERY
5610 Sheridan Road Saginaw, Mich.

SUPPLIES AND SERVICES

BIRD FEEDERS

BIRD FEEDERS
Wild bird feeding stations and houses are now big business. If located in a suburban or rural area, you can share BIG profits. Generous discounts, fast turnover, many repeat sales. Write on your letterhead for Catalog HN.

HUTCHISON & CO.
95 Chambers St. New York 7, N. Y.
311 S.E. Belmont Portland 14, Ore.

FERTILIZERS

SOLUBLE FERTILIZERS
PETERS SPECIAL, 20-20-20, general purpose feed.
PETERS SPECIAL, 21-7-7, chelate iron, Azalea neutral.
PETERS SPECIAL, 21-7-7, chelate iron, Azalea acid.

\$6.00 per 25-lb. bag, \$20.00 per 100 lbs.
ROBERT B. PETERS CO.
F.O.B. Allentown, Pa.
739 N. 7th St. Allentown, Pa.

FLATS

| MINNESOTA WHITE CEDAR FLATS | | |
|--------------------------------|-------------|---------------|
| Order by No. | Wt. per 100 | Price per 100 |
| No. 1, 14x20x2 1/2 | 320 | \$25.00 |
| No. 2, 14x20x3 1/2 | 400 | 29.00 |
| No. 3, 12x16x2 1/2 | 260 | 19.00 |
| No. 4, 12x16x3 1/2 | 275 | 22.50 |
| No. 5, 14x16x2 1/2 | 275 | 21.50 |
| No. 6, 14x16x3 1/2 | 290 | 25.50 |
| No. 7, 15x22 1/2x2 1/2 | 380 | 28.50 |
| No. 8, 15x22 1/2x3 1/2 | 425 | 31.00 |
| No. 9, 11 1/4x23 1/2x2 1/2 | 320 | 23.00 |
| No. 10, 11 1/4x23 1/2x3 1/2 | 400 | 26.75 |
| No. 11, 14x16x5 | 450 | 30.00 |
| No. 12, 5x11x5 | 160 | 16.00 |
| No. 13, 5x16x5 | 215 | 18.50 |
| Plant boxes, 8 1/2x4 1/2x2 1/2 | 45 | 5.00 |

All other sizes quoted on request.
5 per cent discount on orders of 1000 or more.

The above measurements are inside. Bottoms and sides of cedar flats are 3/4-in. thick; ends are 1/2-in. Plant boxes are thinner.

All material surfaced on one side.
Your name and address printed up to 3 lines in black ink, on one or both ends, plus 1/4¢ per piece for the first 1000 ends, 1/2¢ per end thereafter. Shipped knocked-down in units of 25.

All shipments by truck unless otherwise ordered. F.O.B. Cook, Minn. Attach check.
H. C. HILL & SONS, Cook, Minn.

REDWOOD FLATS, K. D.
Finest stock obtainable. Guaranteed all clear heart. Size 20x15x3 ins. inside measure. \$38.00 per 100.

1x1-in. Cypress stakes, pointed.
50 pcs. to bundle, 4 ft., \$3.50 per bdl.
50 pcs. to bundle, 5 ft., \$4.50 per bdl.
50 pcs. to bundle, 6 ft., \$5.50 per bdl.
Ship same day. Cash with order, please.
YOHO & HOOKER, Youngstown 2, O.

ORCHID SUPPLIES

GAVIOTA, a new Hawaiian Orchid fertilizer, 8 oz., 75¢; 1 lb., \$1.25; 5 lbs., \$5.00.
TAYLOR HYGROMETER WITH THERMOMETER, wet and dry bulb, for determining relative humidity, \$10.00.

POT HANGERS, wall type, hold to 4-in. pots, each, 25¢; doz., \$2.75; 50, \$10.00; 100, \$18.75.

Price F.O.B. Houston.
WRIGHTWOOD FLORAL CO., INC.
2407 N. Main St. Houston 9, Tex.

LABELS

DAHILIA OR TREE LABELS
Priced per 1000
Plain Painted
3 1/4 x 5/8 ins., notched (not wired) \$2.50
3 1/4 x 5/8 ins., wired (copper) 3.30 4.10

POT LABELS
4 x 5 ins. (cartons 1000 each) 3.30 3.95
5 x 5 ins. (cartons 1000 each) 3.50 4.30
6 x 5 ins. (cartons 1000 each) 3.90 4.85
8 x 5 ins. (cartons 500 each) 6.00 7.20
10 x 5 ins. (cartons 500 each) 7.00 8.50

GARDEN STAKES
Price per carton.
8 x 3/4 ins. (cartons 250 each) 2.50 3.00
10 x 3/4 ins. (cartons 250 each) 2.75 3.25
12 x 1 1/4 ins. (cartons 100 each) 1.75 2.00

EVERMARK PENCILS
The original label marker. 1 doz. 7-in. pencils per box, \$1.25.

Our labels are perfectly white and smooth on both sides and are pronounced by growers the best and most economical.

"We ship the same day."
YOHO & HOOKER
Youngstown 2, O.

PEAT MOSS

HOLLAND PEAT MOSS
"BRODLEAF" quality. Just arrived.
Standard burlapped bales,
\$3.65 each; 10, \$34.25.
Priced F.O.B. Houston.
WRIGHTWOOD FLORAL CO., INC.
2407 N. Main St. Houston 9, Tex.

PLANT TUBS

| UTILITY PLANT TUBS | | | |
|----------------------------------|-------|----------------------|----------------|
| Made from New England White Pine | | | |
| | | F.O.B. New Hampshire | F.O.B. Chicago |
| Size | | Per 100 | Per 100 |
| 7 x 7 ins. | Green | \$7.50 | \$8.00 |
| 8 x 8 ins. | White | \$8.00 | \$8.50 |
| 8 1/2 x 6 1/2 ins. | Green | \$7.50 | \$8.25 |
| 8 x 8 ins. | White | \$8.00 | \$8.75 |
| 9 x 6 ins. | Green | \$7.50 | \$8.00 |
| 9 x 9 ins. | White | \$8.00 | \$8.50 |
| 10 1/2 x 6 1/2 ins. | Green | \$8.50 | \$9.00 |
| 10 x 9 ins. | White | \$8.50 | \$9.00 |
| 11 x 7 ins. | Green | \$8.50 | \$9.00 |
| 12 x 7 ins. | White | \$8.50 | \$9.00 |
| 12 x 9 ins. | Green | \$10.00 | \$10.50 |
| 12 x 11 ins. | White | \$10.00 | \$10.50 |
| 14 x 8 ins. | Green | \$15.00 | \$15.50 |
| 14 x 13 ins. | White | \$17.50 | \$18.00 |

ALEC HENDERSON, INC.
1305 W. Randolph St. Chicago 7, Ill.
Phone: Monroe 6-3082

SPHAGNUM MOSS

Long-fibered sphagnum moss, \$1.30. Also ground moss. Price us on truckloads delivered. Warrens Moss Co., Warrens, Wis.

STAKES

CYPRESS PLANT STAKES
50 Pieces to Bundle
1x1-in.—3 ft., pointed \$3.00 per bundle
1x1-in.—4 ft., pointed 3.50 per bundle
1x1-in.—5 ft., pointed 4.00 per bundle
1x1-in.—6 ft., pointed 4.50 per bundle
1x1-in.—7 ft., pointed 5.00 per bundle
These stakes are made of cypress and redwood; are good, strong stakes and will give long service. "A little better than seems necessary."

WE SHIP SAME DAY!
YOHO & HOOKER
Youngstown, O.

BAMBOO CANE STAKES

| Dyed green, pencil thickness. | | |
|---------------------------------|----------|-----------------|
| Packed 2000 per bale | | |
| | Per 1000 | Per bale |
| 1 1/2 ft. | \$3.50 | \$6.00 |
| 2 ft. | 4.50 | 8.00 |
| 2 1/2 ft. | 5.50 | 10.00 |
| 3 ft. | 7.00 | 13.00 |
| 3 1/2 ft. | 8.50 | 16.00 |
| 4 ft. | 9.50 | 18.00 |
| 5 ft. | 12.50 | 24.00 |
| 6 ft. per bale of 500, 1000. | | |
| SPLIT BAMBOO, DYED GREEN | | |
| | Per 1000 | Per bale (5000) |
| 12 ins. | \$2.50 | \$10.00 |
| 15 ins. | 3.50 | 15.00 |
| 18 ins. | 4.50 | 20.00 |
| 24 ins. | 5.50 | 25.00 |

F.O.B. CHICAGO
Quantity discounts: 10 bales up, less 5 per cent; 25 bales up, less 10 per cent.
ALEC HENDERSON, INC.
1305 W. Randolph St. Chicago 7, Ill.

HEAVY BAMBOO STAKES
Per 100 1/2 to 3/4-in. 3/4 to 1-in. 1 to 1 1/2-in.
4 ft. \$2.88 \$3.44 \$4.24
5 ft. 3.60 4.30 5.20
6 ft. 4.32 5.16 6.36
7 ft. 5.04 6.02 7.42
8 ft. 5.76 6.88 8.48
2000 up, less 5%; 5000 up, less 10%.
A. C. PATTERSON, Centertown, Ky.

STAKES, GALVANIZED HARD STEEL.
Galvanized Wire.
Prices and samples sent upon request.
SCHUPP SUPPLY CO., Wilmette, Ill.

TRADE BOOKS**TRADE BOOKS.**

Suggestions for nurserymen and their employees:

HANDBOOK OF FERTILIZERS, by A. F. Gustafson, \$2.50.
SEED AND POTTING COMPOSTS, by Lawrence and Newell, \$1.75.
STANDARD CYCLOPEDIA OF HORTICULTURE, 3-Volume Set, by L. H. Bailey, \$52.00.
GREENHOUSE GARDENING FOR EVERYONE, by Ernest Chabot, \$4.75.
IMPROVED PRACTICE IN PROPAGATION BY SEED, by L. C. Chadwick, 25¢.
COMMERCIAL FLOWER FORCING, by Alex Laurie and D. C. Kiplinger, \$6.00.

GREENHOUSES: THEIR CONSTRUCTION AND EQUIPMENT, by W. J. Wright, \$3.00.

MODERN FLORIST DESIGNING, by Ken Soules, \$3.65.

TAYLOR'S ENCYCLOPEDIA OF GARDENING, by Norman Taylor, \$5.00.

Descriptive book circulars available on request.

These books and others on horticultural subjects may be obtained, postpaid, at the publishers' prices indicated, from

AMERICAN NURSERYMAN
343 South Dearborn Chicago 4, Ill.

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Help and Situation Wanted and For Sale Advertisements.

Display: \$4.00 per inch, each insertion.

Liners: 35c line; minimum order \$3.50.

HELP WANTED EXPERIENCED NURSERYMEN

One of the largest nurseries in southern California offers profitable, permanent positions to nurserymen with experience and ambition. Security, pleasant working conditions and an unlimited future for the right men. Many extra benefits. Beginning salary \$325 per month.

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NURSERY CO.**
P. O. Box Q
Azusa, Calif.

FOR SALE

BY OWNER

20-year-old established retail, wholesale and landscape nursery in Roanoke, Va. Located on main highway within two miles of a rapidly growing industrial city of 100,000. Consists of 35 acres of nursery stock with excellent soil. Nursery stock is mostly evergreens; also shrubs and shade trees. This stock includes both finished and unfinished stock. Office building, three tenant houses, warehouse, barn and other outbuildings. Equipped with three tractors, four trucks, two tree movers and other nursery tools.

LITTLE TREE NURSERY
Route No. 1
Roanoke, Va.

HELP WANTED

Experienced Landscape Salesman

Virginia nursery, in business since 1922, offers permanent employment, at an attractive salary, to an experienced landscape salesman who is mature, sober and progressive. Must be capable of drawing plans, making estimates and following the job through to final completion. Please give character references: state age, training, experience, and enclose picture in first letter. All information kept strictly confidential. Address Box 248, care of American Nurseryman.

HELP WANTED

Once-in-a-Lifetime
Opportunity

We must have a man with executive ability and past experience in top salesmanship, able to handle representatives from the office and on the spot. He must have had office experience and be one who is adaptable and can adjust his mind to changes in procedure as well as suggested constructive changes in same.

Salary adequate for this type of individual.

When applying, please give complete information as to past experience, education, marital status, age, etc. All information will be treated confidentially.

Write to Box 247, care of American Nurseryman.

HELP WANTED

Leading mail-order nursery doing nationwide retail and wholesale business has opening for man thoroughly experienced in growing and handling ornamental woody material. This man must be an aggressive person, genuinely interested in associating himself only with a first-rate company which will give him every opportunity to advance as he is able to prove himself. Reply to Box 232, care of American Nurseryman. All replies strictly confidential.

WANTED

Topiary work, preferably yew, in the shape of birds. For shipment to California. Must be certified pest-free. State size, shape and price. Reply to Box 241, care of American Nurseryman.

HELP WANTED

Experienced, middle-aged landscape gardener needed for small nursery in Pennsylvania. Good working conditions. Position open April 1 to November 15. Write stating experience and salary expected. Address Box 249, care of the American Nurseryman.

SITUATION WANTED

College graduate, 35, married, interested in opportunity to enter nursery business in west coast region. Good knowledge of plant materials, sketching and grafting. Supervisory experience in industrial production, personnel and research. Degree in agricultural biochemistry. Curriculum strong in plant sciences.
R. CARLETON, 416 Campus, Pullman, Wash.

WANTED

Growers of evergreens, roses, tree roses, peonies, iris, bulbs, etc., who will drop ship items not carried in our stock. Not competitive but extra business for you. Send catalog and price list. Address Box 245, care of the American Nurseryman.

SITUATION WANTED

Landscape foreman, middle-aged, with 15 years' experience in supervision of highest-quality landscape work, from plans and otherwise. Schooled in handling of personnel. Prefer eastern coastal cities from Miami, Fla., to Long Island, N. Y. Reply to Box 236, care of American Nurseryman.

WANTED

SALES
REPRESENTATIVES

Men now calling regularly on nurseries, seeds and garden supply dealers have a good opportunity for added income on a generous commission basis with the top line in its field.

Territories open: Southern tier of New York state; Broome county, west; northern tier of Pennsylvania counties; Albany-Schenectady area. Write Box 251, care of American Nurseryman.

SITUATION WANTED

Englishman with college education seeks position with prospects. Experienced in management, propagation and shipping. Available in spring. Good salary essential. Address replies to Box 244, care of American Nurseryman.

SITUATION WANTED

Age 29, married and in good health. Graduate in ornamental horticulture. M. S. degree with 2 years' research in azalea nutrition. Some experience in nursery landscape work. Desire job as grower, but will consider other types. State job particulars and salary. Address Box 250, care of American Nurseryman.

FOR SALE—Used 50-lb. lard pails with handles, not cleaned out, \$65.00 per 1000 F.O.B. Beulah, Mich. Can be shipped by rail only. Pails nested, weight 2 1/4 lbs. each. For freight rates see your local agent. Lids available \$10.00 per 1000. Samples on request.
PET-RITZ FOODS, Beulah, Mich.

WANTED—Two large irrigation systems: One Skinner overhead system, 40 acres and up, and one aluminum portable system, 5000 ft. and up. Write to **McCURDY BROS. NURSERIES**, Manton, Mich.

[Continued on following page]

TREES FOR AMERICAN GARDENS

By Dr. Donald Wyman

Presents 745 recommended trees in alphabetical order, with a secondary list of 1,600 species and varieties, giving common and botanical names. Colored maps show hardiness zones, with maturity height and desirable varieties also indicated. Discusses hardiness, bloom, ornamental fruit, foliage colors and trees for various purposes. Recommends trees for the eastern, western and southern states. 376 pages. [1951].

Price, \$7.50

AMERICAN NURSERYMAN

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Chicago 4, Ill.

WANT ADS

(Additional Want Ads on Page 93)

FOR SALE

Well-established wholesale business. Five acres of land located three miles north of San Fernando, one mile above Foothill Blvd. 1700-ft. altitude, frost-free, fine climate.

33,000 camellias, one and two years old, in one-gallon green crimp cans, and 1000 in five-gallon and egg cans; 3000 azaleas in one-gallon cans, and 1000 hydrangeas in one-gallon cans. All under lath with complete overhead irrigation. Mountain water; 80 lbs. pressure.

Propagating greenhouse, 18x30 ft., complete with automatic controls. Also 1215 sq. ft. modern home, four years old, with two bedrooms and den, nicely landscaped. Will sell with or without house. Can sell two acres only with plants and facilities, if preferred. Cash or terms.

Owner wants to retire. Fine opportunity for a younger man.

LOYD LUTTON
13642 Polk St.
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FOR SALE

Central Michigan general nursery and Christmas tree plantation. Estimated 30,000 trees, 1 to 25 feet in height. 35 bearing Carpathian (Hardy English) Walnut and 50 more soon to bear. 300 seedlings, 1 to 3 years old. Address replies to Box 243, care of American Nurseryman.

FOR SALE

Owner must sell going nursery of evergreens and fruit trees. Has excellent reputation and located in good territory. Address replies to Box 246, care of American Nurseryman.

FOR SALE—Used 30-lb. tins, \$50.00 per 1000 in carload lots. F.O.B. Beulah, Mich. Car average 5000-tin capacity. Cans cleaned before loading. For freight rates see your local agent. Lids available at \$15.00 per 1000. Samples on request. PET-RITZ FOODS, Beulah, Mich.

FOR SALE

86-year-old wholesale and retail nursery in southeastern Wisconsin. Located within 4 miles of a rapidly growing industrial city of 80,000. Well stocked with shrubs, shade trees and evergreens. 2 Lord & Burnham greenhouses, 18x60 ft., erected in 1953. Hot-water heating system with stoker. Plant storage building. 4-car garage and workshop attached to boiler and potting room. 6-room, modern home with hot-water heat (oil burner). Wonderful water supply and overhead irrigation system.

All modern equipment consisting of: International tractor (M) with cultivators and side-mounted shrub digger; new Ford tractor (850) with Wagner front-end loader and Adair tree digger; 1953 Ford tractor with Snyder tree planter, and all miscellaneous equipment necessary to operate a modern nursery business. Address replies to Box 253, care of American Nurseryman.

FOR SALE

A well-equipped, modern nursery in one of California's fastest-growing areas. Located 45 minutes from San Francisco, this spot draws its customers from three counties. Annual gross business averages \$75,000. Address replies to Box 242, care of American Nurseryman.

FOR SALE

The southwest's finest tree mover. All hydraulic. Fast, safe and simple. Capacity 12,000 lbs., 7½-ft. ball. Mounted on 1948 International truck, flat stake bed for double use. Also Ford tractor back hoe attachment for digging trees and holes. Complete \$3500.00.
HILL'S NURSERY
P. O. Box 43
Victoria, Tex.

FOR SALE

Used complete greenhouses. Used greenhouse materials, glass, pipe, valves, etc. Greenhouses bought for wrecking.

SEABOARD GENERAL SUPPLY CO.
1080 Magnolia Ave. Elizabeth, N. J.

NEBRASKA REPORT

[Continued from page 13]

and dislikes in order to do a better job.

Professor Mosher stated that a foundation planting should (1) tie the house to the ground, (2) accent the good features, (3) subdue the bad features and (4) dress up and beautify the house. He said that a point is not the only type of accent. He felt that in working out specific problems as regards foundation planting, one should first look at the form of the house, considering its lines and the color and texture of its building materials. He stressed the need to study the effect of plants against a construction background.

Professor Mosher believes that design is based more on use today than ever before. He said that the garden should be an extension of the house. He also felt that nurserymen today should grow more finished trees and shrubs.

Russian Visit Reported

A special noon luncheon was held in the Lancaster room Tuesday. The group was honored to have as speaker Dean W. V. Lambert, of the college of agriculture of the University of Nebraska. Dean Lambert was chairman of an unofficial delegation to Russia last summer. He provided an excellent panoramic view of life in the Soviet Union. He stated that in 1917 there were about 18 million farms, while today, because of collectivism, there are but 89,000 farms in all Russia. He said the average manager-type farm is 15,000 acres in size, while the average government farm consists of 38,000 acres.

Dean Lambert said that the Russian government will lend an individual worker on a farm enough funds to build a house and allow him to farm one and one-half acres of land for his own use. This loan is for 10 years at 3 per cent interest. He stated that this was the only indication of private enterprise which he found.

Russia claims to have 1,000 agricultural experiment stations. In each special field of agriculture there is one central all-union station with several satellite stations throughout the various republics, also specializing only in the particular field. Dean Lambert also told of Russia's progress in the educational field. He said that the greatest progress is being made in the various sciences and in technology.

Closing Session

After lunch Tuesday, the nurserymen were favored with two splendid films, presented by William Erdman.

Erdman Tree Service, Omaha. The first film, compiled by Mr. Erdman himself, showed various surgical and spraying practices. The other film, "The Fight to Control Dutch Elm Disease," made available through the Sandard Oil Co., explained the symptoms of the disease and laboratory work in determining the presence of the disease. An excellent story of the European elm bark beetle was given, this insect being the carrier of the disease. Timely information on sanitary practices which will keep the disease at a minimum was presented.

A helpful talk on lawn grasses was given by C. B. Billings, superintendent of buildings and grounds at the University of Nebraska. He said the first consideration in Nebraska should be drought resistance. He surveyed various grasses, concluding that Kentucky bluegrass is still the best grass for Nebraska. He said the main reason for failure to establish a good lawn is improper watering. He also stated that effectively to control brown patch or dollar spot at least three applications of fungicide must be given before the soil temperature reaches 70 degrees.

In concluding the convention program, Walter Bagley, United States Department of Agriculture forester, presented an enjoyable film on tree breeding by the Mississippi state forestry department.

NEW YORK SHORT COURSE [Continued from page 14]

for space heating coldframes, for soil heating in a propagating bed and for preventing soil balls from freezing.

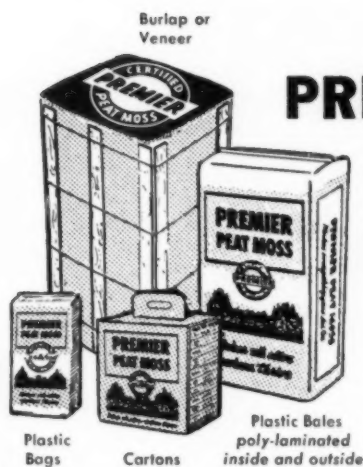
Closing Session

The final morning included two panel sessions. The first, moderated by Everett Monin, Sheridan Drive Nurseries, Kenmore, N. Y., centered on the theme "More Money from Less Work." George Adams, Buffalo, and Clinton Hewitt, New York city, both with the Premier Peat Moss Corp., were able to contribute many ideas on the more efficient use of peat moss in nursery and lawn procedures, as well as garden usage. George Kircher, engineer for the Gardening Council, and Paul Houghton, of Eaton Equipment Co., Hamburg, N. Y., contributed to the discussion, which was illustrated by a motion picture of modern nursery operations shown by William Flemmer, of the Princeton Nurseries, Princeton, N. J.

Margaret Herbst, publicity and promotion specialist of New York

So much better

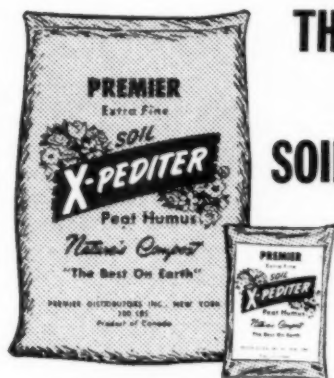
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AZALEAS and CAMELLIAS
Complete nourishment for acid-soil plants

Send for FREE BOOKLET—this authoritative guide on Azalea and Camellia culture mailed on request



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W-W GRINDER and SOIL SHREDDER SAVE TIME AND MONEY

If you want to *grind* tough clods into potting soil or top dressing... *shred* or grind stalks, leaves, cuttings or tough organic matter for composting or mulch... or *screen* and mix soil, compost, or other fertilizer, *let one machine do it all*. A W-W Grinder and Soil Shredder will do just that, and separate trash from wanted material in the process. Designed with the versatility necessary for the profit-minded nurseryman and with the simplicity of operation required for the hobbyist, it is America's favorite.

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PULVERIZES : MIXES**

Without Additional Attachments

MODEL 4-EV WITH DETACHABLE ELEVATOR

Grinder and elevator detach so each can be used separately. \$752.40, complete with two engines, FOB Wichita.



PORTABLE MODEL 2-XB

Gas or electric powered. \$124.50, less motor, belt guard; \$178 complete with 2-hp Briggs & Stratton engine. FOB Wichita.



Available in five models. Convenient terms usually can be arranged. Write for literature and name of dealer.

W-W GRINDER CORP.
DEPARTMENT F WICHITA, KANSAS

city, led off the second panel on "Good Will Makes Good Business." Her remarks reflected her success in the field with the Holland bulb industry, so familiar to New York nurserymen.

Wilbur Wright, director of parks at Rochester, N. Y., made two points clear. First, trouble with the public has been greatly reduced by prompt and continued good housekeeping. The lilac and other collections are specially kept clean during lilac week. He stated that while the park department receives many inquiries about plants and maintains a seed exchange service, the city of Rochester does not maintain a nursery. It is more satisfactory and efficient to buy what it needs. This also circumvents the problems of supplying the public.

Tobey Martino, of McKinley high school at Buffalo, at which the Buffalo garden center is located, reviewed the programs undertaken and stated that over 10,000 letters a year are handled on garden topics. Prompt and polite handling of such inquiries brings good will.

Charles Mouquin, president of the New York State Nurserymen's Association and moderator of the panel, read a telegram of greetings from Governor Harriman to the New York nurserymen.

A second item included the introduction of Carl Wedell, of the Long Island Agricultural and Technical Institute, Farmingdale, and of Prof. Ralph W. Curtis, retired member of the Cornell University staff. Valteau Curtis, a participant in former short courses for nurserymen, presented Professor Curtis with a picture of attendants at one such course and asked him to help in identifying about 50 present.

Louis Weinstock, vice-president of the New York State Nurserymen's Association, chaired the final luncheon and announced plans were already under way for the 1956 short course.

T. A. N. CORRECTION

Directors and members of the official committees of the Texas Association of Nurserymen who are planning to attend the midwinter board meeting of that group at Corpus Christi, Tex., January 6 and 7 are requested to make their lodging reservations with the Robert Driscoll hotel. This is a correction of earlier instructions in the T. A. N. bulletin giving the headquarters name as the Driskill hotel. The Texas Landscape Association will also convene at Corpus Christi.

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Descriptive Circulars Free.

THE MINNETONKA PUBLISHING CO.,
400 Watertown Rd. LONG LAKE, MINN.

Fall Sales of Garden Centers In Milwaukee Area

With only a few marked exceptions, garden center operators in the Milwaukee area are bemoaning noticeable drops in volume of autumn sales in 1955. Individual reasons for the slump vary, but the fact remains that garden stores in this area did only approximately 20 to 30 per cent of their spring volume in the fall, and some are as much as 30 per cent lower than last year's sales in a comparable time.

Nearly all garden stores were in agreement that the unusually hot, dry summer and lack of available sprinkling water had a great deal to do with the dampening of the average gardener's zest for planting in the fall. Coupled with this was the fact that when the fall rains did come, most deciduous items put on new growth and some actually came into unseasonable bloom, which made digging and handling of nursery stock rather precarious until frosts came late in October.

Several merchandisers, however, did bring into the area modest amounts of balled evergreens from states to the south and, by sharp pricing and vigorous advertising, managed to dispose of them before freeze-up.

Nearly all garden mart operators agreed that Holland bulb sales were becoming a less and less important garden shop item for increasing fall business. This is mainly attributed by the operators to the promiscuous sales of wholesale bulbs to any retail outlet that will order any quantity over 500.

"Our own bulb sales," reports Kenneth Greaves, who operates Greaves Landscape Nurseries, one of the first garden centers to be established in the Milwaukee area, "hold up each season only because we specialize in the newest varieties and varietal selection. While our fall volume of sales compared favorably with the 1954 total, it is interesting to note that items like fertilizer, grass seed and general store merchandise were considerably increased over last year's totals, while that portion of business resulting in sales of evergreens and deciduous stock was down almost 50 per cent. This is exclusive of those items sold on landscape contracts."

The North Shore residential area, which includes many of the gold

here's what a Massachusetts
PEAT HUMUS company says:
*"the machine has more than
lived up to our expectations"*

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MASSACHUSETTS PEAT HUMUS

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LAWRENCE, MASS.
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Royer Foundry & Machine Co.,
Kingston, Pa.

Gentlemen:

We recently purchased a Royer Model NCR-S shredder which we are using to pulverize peat humus.

It has performed very well and has done a good job in breaking up this material and removing the roots, etc. It has also worked equally well on wet and dry material.

We might add, too, that the machine has more than lived up to our expectations.



"the machine has more than lived up to our expectations" is proof that a Royer Compost Mixer does the work it was designed to do. The Model NCR-S (illustrated) handles up to 16 cu. yds. of peat humus per hour, completely shredding, mixing and removing trash. Other models in capacities from 1 to 150 cu. yds. per hr.—electric motor, gasoline engine or belt-to-tractor driven.

Send for Bulletin 56-SY.

ROYER foundry & machine co.

182 PRINGLE ST., KINGSTON, PA.

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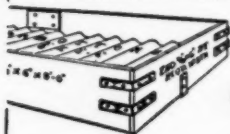


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coast suburbs of Milwaukee, has become a Mecca for garden centers since Mr. Greaves built his modern storage and lath house facility in conjunction with a retail garden supply store in 1948. Ten new units have sprung up in the area within a radius of three miles from Mr. Greaves' first center. Three of them went into business this year for the first time. Reports from these new garden centers indicate a volume of business not far off from that anticipated by the owners. The only centers reporting a decrease in the total year's business in the area were those inexorably cut off from the buying public by "highway improvement," which closed their roads.

With few exceptions, most garden shop operators in this area were disappointed in evergreen sales in the spring. For the first time large-scale merchandising of nursery stock and especially of evergreens was undertaken by businesses other than nurseries and garden marts. This close-price turnover of large volumes of mediocre stock to a price-conscious, unlightened buying public resulted in many garden shops' having large carry-over stocks of high-grade, finished merchandise from spring inventories.

The new nursery and nursery stock dealers' license law, enacted by the Wisconsin legislature last May, may make the promiscuous sales of nursery stock by unqualified persons more difficult and, it is hoped, will give the buying public more protection as regards variety, size and hardiness. For the first time in Wisconsin all persons selling nursery stock at retail must have a license from the state.

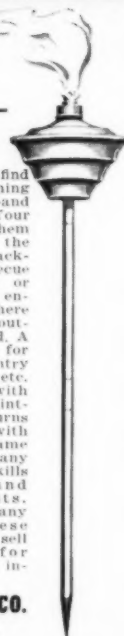
A survey of garden shops in this area shows that those operated by nurseries or landscape firms who do custom planting as well as cash-and-carry trade have an advantage over those operated by firms not performing these services. One such operator on the north side of Milwaukee indicates that sales of large specimen evergreens increased 80 per cent over last year's because planting facilities were available together with an impressive display at the garden center of 8 to 10-foot specimen evergreens.

Reports from the operator of one of Milwaukee's newest garden centers show this interesting comparison: Average daily sales from the first 90 days in business (April, May, June) were \$300 per day. Average daily sales for 60 days in September and October were less than \$100 per day.

The general feeling among most garden shop operators in the Mil-

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"Rite in the Rain" labels are not just another paper label. They are made of tough tagboard and chemically treated to make them waterproof. Ordinary pencil markings do not wash off. These are longer lasting yet low-cost labels. Millions are used every year by nurserymen.

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waukee area is that the depressed gross sales last fall are neither typical nor indicative. A concentrated educational effort has been put forth by both nurserymen and garden store operators to encourage and stimulate fall planting wherever possible. The movement had just begun to roll with gratifying results when it was prematurely arrested by last year's drought. In fact, gardeners in this area were beginning to think about fall planting as early as Labor day, and it is hoped that this impetus will continue and thus relieve the pressure of the spring season.

MORE FALL REPORTS FROM GARDEN CENTERS

In the December 15 issue of the American Nurseryman appeared reports of fall business done by garden centers in the United States. Additional reports presented here are of interest, for they tell of the past season's results and experiences of nurserymen from various parts of the country, their ideas and plans for the future.

Fall Down but Year Up

Fall trade was reduced in New York by unfavorable weather, writes Robert Auld, Auld's Garden Shop, Kenmore, as follows:

"A 10-week period of drought last summer raised havoc with early fall sales. And then a period of excessive rainfall, especially at week-ends, drastically cut sales on the best selling days of the week. However, insecticides sold better than usual, and grass seeds and fertilizer boomed periodically, but did not hold up as in years of normal fall weather. This is very important to us, because these two items constitute about 60 per cent of our autumn sales.

"Hardy mums were slow in moving, and bulb sales were down. Evergreens moved well, but deciduous stock sales were below the usual levels. This may have been due partly to the fact that we had no killing frost until early November, and that fact, combined with the wet weather, delayed digging and planting operations.


"However, due to the early and beautiful spring season and above-normal sales for March, April, May and June, our gross business will show a slight increase over last year's for the 12-month period."

Gains Despite Floods

An excellent fall, despite flood handicaps, is told by Charles Godin, vice-president, Adams Nursery, Westfield, Mass., writing:

"We were closed from August 19

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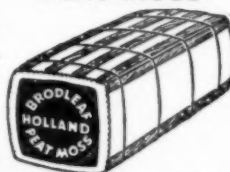
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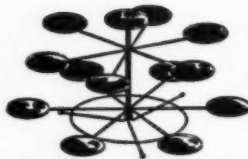
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until September 17, cleaning up after the flood. However, I am pleased to report that in spite of being closed for four weeks right at the beginning of our fall season, our sales for this fall in our nursery mart equaled last fall's sales and even increased on some items. This result was accomplished by proper newspaper advertising without even mentioning the flood. We have had no flood sales or said anything connected with the flood in our advertising.

"Generally speaking, everyone in our area reports that fall business has been good, even though we have had rainy weather on practically every week-end since Labor day."

Maryland Experience

J. H. Burton, J. H. Burton & Sons, Inc., Hyattsville, Md., reports: "The current year is normal in fall sales. Our autumn business generally runs 15 per cent below spring business. We have consistently shown a 20 to 30 per cent increase throughout the year."

Ohio Firm Up 25 Per Cent

Boulevard Gardens, Columbus, O., have worked consistently to increase fall sales and has found container stock helpful. H. E. Babbert, proprietor, reports this fall's experience as follows:

"Just a year ago November 1 we moved into our new location, four miles up the highway from our original location. We estimate that 90 per cent of our customers followed us, and we gained many new ones. One of the outstanding features that happened is that our average sale dropped about 10 per cent, but the people come in more often. There are four or five other garden stores in this vicinity; so there is plenty of competition.

"Our fall business has increased about 25 per cent over a year ago, although we have spent less on advertising. For years we have striven to increase our fall business to compare favorably with the spring sales. The margin between spring and fall gets smaller each year.

"With all the new methods we have carried out in our new garden store we have operated with little increase of overhead. We are looking forward to an increase in business for Christmas.

"From the experience we have had with container shrubs, it will certainly be an educational problem to get people in the habit of planting during the hot months of summer. Our potted plants (shrubs, etc.) are selling better every year,

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and I think in time this method will help. The growers we buy from have a better selection of sizes and quality in plant material to offer for our cash-and-carry trade."

Indiana Firm Gains 10 Per Cent

Alex Tuschinsky, Hillsdale Landscape Co., Indianapolis, Ind., reports. "Our fall, 1955, business started off slowly, because of the drought and hot, dry weather which prevailed here in August and September. October and November were good. The over-all sales in the garden store last fall were about 10 per cent over the same period for the previous year.

"We sold out entirely our stock of potted roses, and bulbs, fruit trees, small shade trees and shrubs sold well.

"The fall garden store sales approximate only about 35 per cent of the volume of the spring business, because in the spring we have many items not in demand in the fall."

Illinois Firm's Record

Fall sales topped all previous years' records, declares George J. Scherer, Scherer's Landscaping & Garden Center, Rock Island, Ill. His comments follow:

"Every year our volume has

grown. Last spring topped all previous records, but I believe the added feature of a new greenhouse helped to bring in trade that never stopped before. Fall business also exceeded past records, but was only about one-half the volume of spring.

"We look forward to our Christmas business as a wonderful source of income when regular nursery work is almost at a standstill. We believe every nursery should develop the Christmas angle with trees, wreaths and decorations. We believe our Christmas business will increase in the next few years to be almost as much as our fall business."

Kansas Cash-and-Carry Down

"The cash-and-carry business was off considerably, but landscape planting was about normal," writes H. C. Danbury, Garden Shop Nursery, Inc., Overland Park, Kan. He continues: "Our hand truck business continued to hold up very well, with a number of repeat orders, along with many new customers. Extremely dry weather of the fall hampered us."

Firm Plans Fall Promotion

"We do not push fall sales in this area," writes K. D. Andrews, Andrews Nursery Co., Faribault, Minn.

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cash-and-carry business was greater than last year's, but no great volume was involved."

Utah Market Increasing

Fall trade is growing steadily, according to the following report for Salt Lake City, Utah, by Douglas P. Walton, Porter-Walton Co.:

"Business last summer and this fall continued at a good level, consistently above last year's. The importance of fall trade has grown slowly but persistently. Since 1952, in the face of much larger volume in all seasons, the percentage of fall business to yearly volume has grown from 17 per cent to 25 per cent in our operations. This rise is attributed to several factors, among them better advertising, modernized display and handling of fall bulbs, also more emphasis on a diversified line of related items, including indoor plants and planters.

"Fall sales of nursery stock have not gained so much as desired, even though more emphasis has been placed on container stock. Fall bulbs displayed in mass with full-color pictures and priced to attract all types of buyers have been responsible for much of our success this season and have aided sales of other items. Increased fall lawn planting has significantly affected total fall sales through the demand for lawn seeds, fertilizer, peat moss, garden hose, sprinklers, spreaders and other related merchandise.

"Salt Lake City and surrounding towns have enjoyed a comparatively healthy type of expansion. The many new homes have created a growing market for garden seeds, plants and supplies. Outdoor living is growing, increasing the desire for more attractive, as well as more usable, gardens."

1956 ALL-AMERICAS

Only one flower, Fire Dance petunia, and one vegetable, Gold Pak carrot, merited 1956 All-America Selections awards. One other, Pale-face petunia, was practically held over from 1955 and may be considered with the 1956 introductions. Seminole snap bean sold so quickly and was so largely used for planting stock to increase seed supplies that 1956 is the first season for wide general distribution on that greatly improved garden favorite.

Fire Dance petunia is of the vigorous-growing, free-blooming, hybrid grandiflora, or large-size, ruffled and fringed bedding-type petunia. It is a rich, bright salmon-scarlet with a bold flashlight-yellow throat, about

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a foot high and with a plant spread of two feet or more. Ballerina, salmon, and Prima Donna, pink, are recent winners in this new hybrid class.

Paleface petunia is the white hybrid multiflora, counterpart to the reddest of all, Comanche petunia. These are plain-petaled, rather large blooms and the most prolific flowering class. Plants are vigorous growers, about 12 inches high, compact and rounded or mound-shaped in habit.

Gold Pak carrot brings a new conception of beauty and shape in this vegetable. Longest and slenderest of any table carrot, richest orange inside and out, Gold Pak makes colorful appetizers whole or sliced. It is sweet and tender at all stages of growth.

Seminole snap bean brings that most desirable pole bean flavor to bush beans. At eating stage it is stringless, meaty and almost fiberless, resistant to disease and recommended for all sections where snap beans are grown. Seminole is said to be even more attractive and dependable than the previous winning and most widely planted of all beans. Tendergreen. Pods are longer, deep apple-green, straight, smooth and well rounded to the tips, with little

tapering and snipper loss at the ends. Seminole is the all-purpose bean for fresh garden use, freezing, canning and market.

WISCONSIN SHORT COURSE

[Continued from page 8]

using straw or other protective covering for the cans.

Bidding

Walter Remond, of the Carl Gerlach Co., Milwaukee, discussed "Bidding the Job," using charts to show the wide range of bids made on several public jobs. The seven bids on one job ranged from \$9,000 to \$32,000, and the lowest bidder was awarded the job. "He probably lost money on it," was Mr. Remond's comment.

Figures on public jobs are usually published, and the wide variance raises questions in the minds of the public. If nurserymen used a good system of cost accounting, they would know exact costs for material and labor, and bids would be more uniform.

On private jobs, it is not always the low bidder who gets the contract, because the reputation of the nurseryman is as much a factor as

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price, but certainly the man whose estimate is far out of line loses out.

Plant Identification

Prof. William G. Longenecker, of the horticulture department of the University of Wisconsin, used color slides in his talks on "Identification of Plant Materials." Too often, said Professor Longenecker, shrubs purchased from nurserymen by the university are incorrectly labeled, and the difference cannot be told until they leaf out or bloom. It is poor public relations to pass off this situation with a casual comment that "The customer won't know the difference." When the shrub is purchased for a collection, correct labeling is imperative, if one wishes to avoid customer disappointment. Lilacs have been troublesome, with Chinese varieties often being substituted for Persian types. Professor Longenecker noted that public favor seems to be turning to the darker lilacs, but added that lilac popularity is generally unpredictable.

The speaker advised choosing material for home plantings which will give a sequence of interest through the year. Color slides are the ideal way of showing customers what the plants will look like in each season.

Pruning

Prof. George Ziegler, landscape expert from the university, introduced the first speaker to discuss the growing phases of the nursery business, Ray Kuhn, of Synnestvedt & Associates, Glenview, Ill. Mr. Kuhn told of the pruning practices used by his company.

Trimming a shrub is a dwarfing process which may make it less salable in the near future, but will increase its ultimate beauty. Mr. Kuhn expressed the belief that a nursery which grows its plants only for use in its own planting jobs should do the trimming after the shrubs have been transplanted to the customer's grounds. If the pruning is done ahead, the customer may feel he is not getting the large shrub he picked out in the nursery. Somehow, seeing the pile of trimmed branches beside the shrub reassures the customer that he received what he paid for.

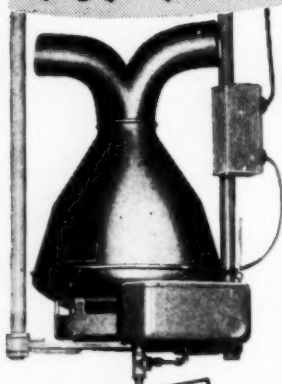
Mr. Kuhn added, however, that he is constantly aware of the necessity for the minor pruning in the field that gives a shrub form and beauty. "I always carry a knife or a pruning shears with me and prune as consistently and unconsciously as I breathe," he said. Mr. Kuhn recommended a large, sharp butcher knife as an excellent pruning tool. Ground cover vines, such as euony-

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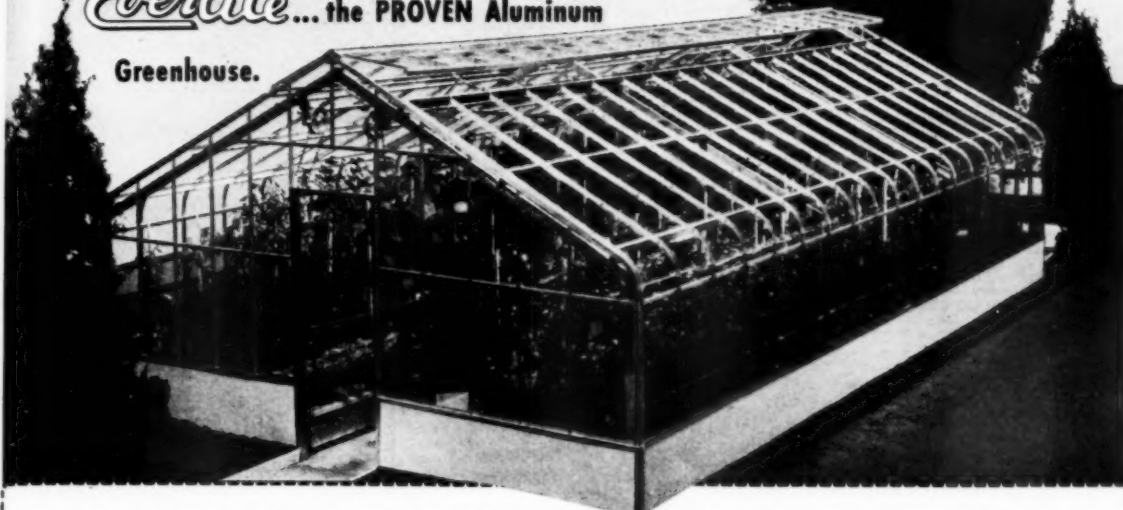
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mus, are sometimes trimmed with a spade.

Side pruning is done throughout the year on trees, to encourage height. This is particularly necessary with some locusts, to keep the side growth from getting out of hand.

In conclusion, Mr. Kuhn noted a tendency among many lady landscape architects which he believed needs correction. "They just hate to do any top trimming of shrubs," he said. He advised nurserymen who deal with them to trim and balance stock before sending it out, rather than count on the lady to do it after planting.

Plastic Sprays

Jack Hill returned to the platform in the growing part of the program to discuss the use of plastic sprays on nursery materials. Such sprays are a colloidal suspension of a sublimating latex, which can go from solid to vapor without passing through a liquid stage. Their purpose is to lessen the effects of transplanting on the shrub.

When much root structure is removed in transplanting, said Mr. Hill, the plant is placed in a state of shock. A plastic spray will decrease the loss of moisture from the branches and prevent the plants

from wilting after they have been replanted.

These sprays have also been used successfully to assist the transplanting of blooming shrubs without damage and in protecting evergreens during winter weather that is unfavorable.

Mr. Hill also recommended the plastic sprays to protect such plants as junipers during winter storage, asserting that they come out in far better condition in spring than those which have not been sprayed. While these sprays must be applied when the temperature is above 50 degrees, they are effective for 100 days, so that the grower can spray about three weeks before he intends to dig the plant, when the temperature is favorable, sacrificing the three weeks at the other end of the cycle.

Spray equipment should be cleaned immediately after use, cautioned Mr. Hill, or the plastic will harden in the sprayer just as it does on the plant and cause a really difficult cleaning job.

Chemical Weed Control

Tom Pinney, Jr., of the Evergreen Nursery Co., Sturgeon Bay, Wis., discussed chemical weed control, which he said is important to every nurseryman, because it cuts opera-

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Here is the most ideal growing unit on the market for growing annuals, Pansies, bedding plants, vegetables, etc. Ideal for customer sales of plants by the dozen. No more breaking into large flats for a dozen plants—thus saving you money from plant loss. Perfect in size—larger and more durable—made of double weight veneer measuring $9\frac{1}{4} \times 3\frac{1}{2} \times 2\frac{1}{2}$ ins. Proper drainage provided. Bottom attached to one side. Easy and fast to assemble. Best of all—less expensive.

\$43.00 per 1000



BUSH PERENNIAL POTS

Also manufactured in double weight veneer with bottom attached to one side. Sizes range from small, for various perennials, to medium and large, for Roses, Mums, Shrubs and Evergreens.



BUSH PLANT BANDS

$1\frac{1}{2} \times 1\frac{1}{2} \times 2$ ins.
 $1\frac{1}{2} \times 1\frac{1}{2} \times 2\frac{1}{2}$ ins.
 $2 \times 2 \times 2$ ins.
 $2 \times 2 \times 2\frac{1}{2}$ ins.
 $2\frac{1}{2} \times 2\frac{1}{2} \times 2\frac{1}{2}$ ins.
 $2\frac{1}{2} \times 2\frac{1}{2} \times 3$ ins.
 $3 \times 3 \times 3$ ins.
 $3 \times 3 \times 4$ ins.
 $4 \times 4 \times 3$ ins.
 $4 \times 4 \times 4$ ins.



BUSH PLANT TRAYS

No. 1-R (Holds 12 $1\frac{1}{2} \times 2\frac{1}{2}$ bands)
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No. 2-S (Holds 25 2×2 bands)
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No. 3-X (Holds 12 $2\frac{1}{2} \times 2\frac{1}{2}$ bands)
No. 4-X (Holds 12 3×3 bands)



Per 1000
 $4 \times 4 \times 6$ ins. \$28.50
 $6 \times 6 \times 4$ ins. 28.50
 $6 \times 6 \times 5$ ins. 35.50
 $6 \times 6 \times 6$ ins. 49.50
 $6 \times 6 \times 10$ ins. 59.50
 $8 \times 8 \times 10$ ins. 65.00

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Franklin Park, Ill.



GRO-QUICK ELECTRIC SEED BED HEATER

For hotbeds, coldframes!

NOW

- Transplant 2 weeks sooner
- Seed up in 30 hours
- Cut germination time by two-thirds
- Root cuttings in 6 days



J10A 40 ft. cable and thermo. for 1 sash. \$ 9.00
SS0A For double sash bed (36 sq. ft.) 9.00
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All prices postpaid. Discount on quantity orders.
Free catalog on larger and special cables for sand, peat, vermiculite, etc.

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The SALEM Real-Reel



Patented
The best portable hose reel made!
• All-metal construction.
• 36 ins. high; holds 150 ft. of hose.
• 6-ft. accessory hose included.
• Water passes through coupling into hose on reel.

Retail Price, \$16.50—
Dealer's Discount, 33 1/3%
Write for further information.

The SALEM TOOL CO., Salem, Ohio

FERTO-POTS Millions Used Plant Eats Pot BE A TWO TIMER

Grow two and three crops per year off the same ground by having FERTO-POTTED plants well started and ready to set out in the field as soon as the first crop is finished. Also sell FERTO-POTTED plants to gardeners and growers.

Per 100 Per 250
2-in. pots \$2.50 \$4.50
2 1/2-in. pots 2.75 5.00
3-in. pots 3.25 5.75

At your dealer or direct. Bulk packing for carload users.

Manures, Peats, Tankage, Bone.
Organic 5-1-5; 5-10-10, etc.

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Since 1915

For Bark Wounds—

NU BARK

Activated sulphur in a very water-proof base. Write for a sample.

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CHARLESTON, ILL.

tion costs, increases profits and helps mechanize operations.

Chemicals should not be regarded as wonder drugs or cure-alls, but rather as helpful tools in reducing weeds. There will always be the necessity for some hand weeding, to make a perfect job.

Mr. Pinney advised giving any new weed control program a fair trial on a limited basis before using it all over the nursery. An experimental area should be staked out and frequent checks made to note results. The type of chemical should be chosen to perform the task wanted done. One should decide if he wishes to kill weeds before they germinate or after, or whether he wishes a selective chemical that will kill the weeds without harming the nursery stock, so that it can be applied after planting. He suggested asking for advice from the experts at the University of Wisconsin when spraying problems arise.

While many of the new chemicals have not been fully studied as yet, results are becoming more definite on a few of them. Crag is among the most promising of all, at present. It is the type of chemical which can be applied directly over the nursery stock. It must be used early, before the weeds are up or before there are two leaves on the weeds. With proper moisture and temperature conditions, the chemical is broken down into 2-4-D on contact with the soil. Mr. Pinney cautioned that Crag is not effective against pigweed and is only mildly helpful against grass.

Alanap is another chemical which works in the same manner as Crag and is sometimes applied in combination with Crag. A combination of half Crag and half Alanap seems to give better control than Crag alone.

CMU seems promising as a preventive and even seems to be good against grass, but it is a touchy chemical. Experiments with a combination of CMU and Crag have given as much as 95 per cent control in some cases.

TCA applied to a field before planting has proved effective against quack grass. However dalapon may replace or be used in connection with TCA.

The rates of application which are recommended for the various chemicals should be understood, said Mr. Pinney. Rates are given for the amount of active chemical; so it is important to check the package label to learn the percentage of active ingredients.

One should also know how much water his sprayer puts on a given

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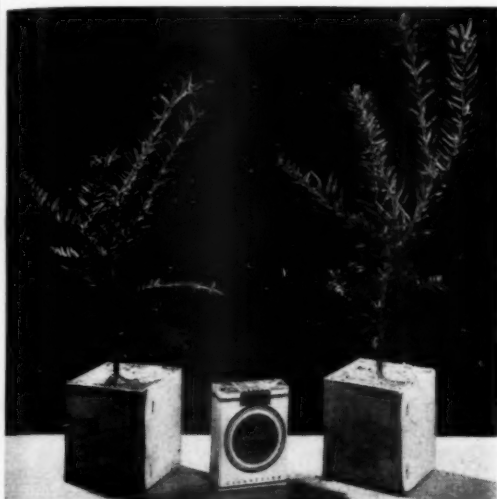
area, so that he can apply the cor-
rect amount of chemicals per acre.
The size of the sprayer nozzle will
affect the amount of water that
comes out. Water pressure is an-
other factor, plus the speed at which
the equipment is moved along the
field. Mr. Pinney suggested that
nurserymen write to the University
of Wisconsin for its Handbook of
Sprayer Calibration, which will as-
sist them in evaluating all these fac-
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Spreading Japanese Yew grown two years in our 2 1/2 x 3 1/2 x 3-inch plant band.
—Photo courtesy of D. Hill Nursery Co.

PRICES BALL VENEER PLANT BANDS

| Size | Shipping Units of | 0-4000 | 5,000-10,000 | 11,000-25,000 | 26,000-50,000 | 51,000-100,000 | 101,000 and up |
|----------------------------|-------------------|--------|--------------|---------------|---------------|----------------|----------------|
| 1 3/4 x 1 3/4 x 2 ins. | 2000 | \$5.55 | \$5.30 | \$5.10 | \$4.90 | \$4.70 | \$4.50 |
| 1 3/4 x 1 3/4 x 2 1/2 ins. | 2000 | 5.95 | 5.70 | 5.45 | 5.20 | 5.00 | 4.80 |
| 2 x 2 x 2 ins. | 2000 | 5.75 | 5.50 | 5.25 | 5.05 | 4.85 | 4.65 |
| 2 x 2 x 2 1/2 ins. | 2000 | 6.40 | 6.10 | 5.85 | 5.60 | 5.40 | 5.20 |
| 2 x 2 x 3 ins. | 2000 | 6.65 | 6.35 | 6.10 | 5.85 | 5.60 | 5.40 |
| 2 1/2 x 2 1/2 x 2 1/2 ins. | 2000 | 6.90 | 6.60 | 6.30 | 6.05 | 5.80 | 5.60 |
| 2 1/2 x 2 1/2 x 3 ins. | 2000 | 7.20 | 6.85 | 6.60 | 6.30 | 6.05 | 5.80 |
| 3 x 3 x 3 ins. | 1000 | 7.80 | 7.45 | 7.10 | 6.85 | 6.55 | 6.30 |
| 3 x 3 x 4 ins. | 1000 | 8.65 | 8.25 | 7.90 | 7.55 | 7.25 | 7.00 |
| 4 x 4 x 3 ins. | 1000 | 8.65 | 8.25 | 7.90 | 7.55 | 7.25 | 7.00 |
| 4 x 4 x 4 ins. | 1000 | 9.45 | 9.05 | 8.65 | 8.30 | 7.95 | 7.65 |

Bands sold only in units as listed. All prices are net F.O.B. Midwest Factory or West Chicago, Ill., and are subject to change without notice. Please state how to ship: express, freight or truck.

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WEST CHICAGO,
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Actionized...for speedier more efficient SOIL SHREDDING!

ONLY LINDIG shredders pass all soil through exclusive patented shredding blades...guaranteed perfect shredding of all material...soil, compost, peat, sphagnum moss, etc. Screening Attachment removes rocks and other unwanted particles. From \$95.00.



POSITIVE SHREDDING BLADES!

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GIVE TV LANDSCAPE TALKS

Members of the Kalamazoo Valley Landscape and Nurserymen's Association have had an opportunity this past season to be both seen and heard on Kalamazoo's TV station, WKZO-TV. Carl Collin, farm program director for the station, has more than just a passing interest in the work of the trade organization. Both he and Mrs. Collin operate a successful perennial and herb garden nursery in the Kalamazoo area.

During the past spring and summer, Mr. Collin called upon Dwight Hitchcock, Light's Tree Co., Richland, to give a talk on desirable types of dwarf plant materials for landscape purposes. A number of choice evergreen and broad-leaved

evergreens were shown to the TV audience.

After a severe freeze last spring, Mr. Collin had another member of the group, Fred McLinden, McLinden's Nursery, Galesburg, describe and tell the care to be given injured plants. Samples of damaged leaves from trees, shrubs and evergreens were displayed.

Interest in lawn building brought another of the members before the TV camera. This time Eppe Niewoonder, landscape gardener, Kalamazoo, discussed with Mr. Collin the various steps in building a lawn. Various types of soils were shown for the benefit of the viewers.

Considerable viewer response has resulted from this series of illus-



Florist & Nursery

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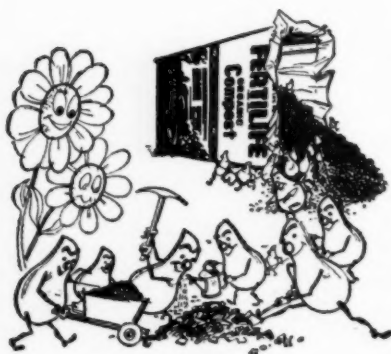
trated talks. Mr. Collin assures the group that more programs of this type will be given in the future.

STANLEY W. LEONARD, Leonard & Leonard, Pittsburgh, Pa., with Mrs. Leonard and their daughter, Kitty Jo, left Pittsburgh December 16 to spend the holiday season in Florida and at Nassau, in the Bahamas.

Billions of
Living Organisms
in

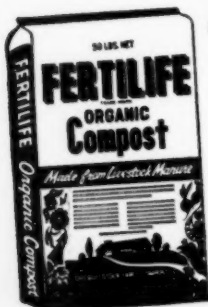
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"New Life"!



Put new life into nursery plots, greenhouse benches, seed flats, and potting soils with Fertilife—the amazing plant food that's "alive." Fertilife, composted from rich Chicago Stock Yards cattle manure, teems with billions of hard-working organisms. It is an organic compost with vital organisms multiplied and organic plant foods concentrated.

Fertilife is safe, easy, and pleasant to use—will not burn, no raw manure or trash, no weed seeds, not offensive. Buy Fertilife for your own use—and make a liberal profit margin wholesaling or retailing it to your trade.



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OBITUARY

Mrs. Margaret Steinmetz

Mrs. Margaret Steinmetz, wife of Avery Steinmetz, Portland Wholesale Nursery Co., Portland, Ore., died December 20 of a cerebral hemorrhage. She was 52 years old. Until her death she had been professor of music at Lewis and Clark College, Portland. Survivors, beside her husband, include a son, Eugene; a daughter, Gretchen Ann, and a sister, Mrs. Robert Barron, Los Angeles.

Louis Adelsberger

Louis Adelsberger, proprietor of Hillside Gardens, Lowville, N. Y., died near the end of November, 1955, at the age of 74. He had been a florist and landscape gardener for 40 years. His widow and a daughter survive.

Joseph P. Reid

Joseph P. Reid, who had operated Reid's Nursery at Huntington Park, Calif., for 20 years, died in November, 1955, at the age of 52. Born at Needham, Mass., he went to California in 1923 and had lived at Huntington Park since 1934. Surviving are the widow, Grace Anna, and a sister, Mrs. Mary E. Teed, Waltham, Mass.

Ernest B. Chenoweth

Ernest B. Chenoweth, owner of Chenoweth's Mount Vernon Nursery, Mount Vernon, Wash., died recently at his home at Mount Vernon. Born at Lynn, Ind., in 1884, Mr. Chenoweth had gone to the northwest in 1911, married and settled at Mount Vernon. For five years he was the owner and publisher of the Mount Vernon Herald, then a weekly newspaper. After selling the newspaper, he started the nursery. He was a member of the First Baptist church and a former member of the K. P. lodge. Mrs. Chenoweth died last August.

TEXAS TV CONTEST

A "Plant Texas" contest, sponsored by the Nursery Landscape Association of Dallas through its "Texas Living" TV program, offered a \$500 patio, foundation or garden planting as the prize for filling in the last line of a jingle urging more Texas planting. The contest, part of a plan to increase public awareness of the importance of landscaping and proper plantings, closed December 24, 1955.



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Satisfaction or your money back on the Gledhill Land Leveler!

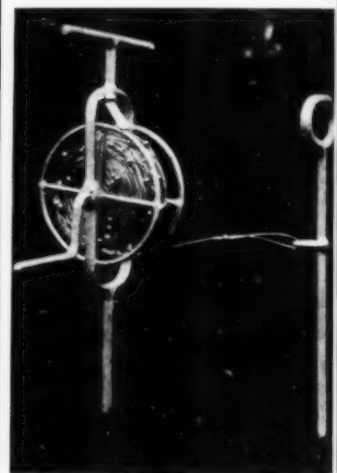
If you knew the quantity and quality of work this machine will do, you would realize that it will quickly pay for itself.

We guarantee that if you are not satisfied with this machine after a week's trial, return it to us, freight prepaid, and we will refund every cent of your money.

Thousands of these machines have been delivered over a period of years—all with the guarantee. Out of that number only two have been returned! Why don't you send for one now?

**THE GLEDHILL ROAD
MACHINERY CO.
GALION, O.**

ORDER NOW the everlasting PLANTING LINE. All metal, rustproof, with spacing on line.



What nurserymen say:

... it makes for faster and more accurate spacing of plants ... expedites transplanting considerably.

Let us know length and spacing you need. Thank you!

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BUY UNION PLASTIC POTS FOR QUALITY...FOR DEPENDABILITY



Since 1946, Union has developed a line of plastic flower pots, tubs and pans for growers. Over the years, more and more growers tried Union pots in their own operations and were convinced that plastic pots by Union were just what they needed.

Today, Union offers the most complete range of sizes and styles of plastic pots available to the trade. When you need plastic pots, order them from Union! You can rely on Union pots to do the job.

1 1/4 to 8 inch Pots
3 and 4 inch Tub
2 3/4 to 10 inch Saucers

5 and 6 inch Azalea Pots
6 to 10 inch Bulb Pans
Planters, Trellises, Accessories

WRITE TODAY FOR FREE CATALOG AND PRICES

UNION PRODUCTS INC., Leominster, Mass.

TEXAS RETAIL REPORT

Supplementing the reports on fall trade by retail nurserymen in the preceding issue, Leonard M. Riggs, Riggs Nursery & Landscape Co., Longview, Tex., supplies the following comments, indicating some falling off in 1955 sales:

"As a whole the fall business was off, compared to the same period in 1954. We blame this on the long, very dry, hot conditions in the area after September 1. Sales were smaller in dollar volume per customer. Mail-order salesmen are more active, with some promising things that are not delivered as described.

"Our better landscape work seems to go right along, however. We are doing about the average amount of work on the better homes and buildings. There is no lack of desire for the best material in this work and buyers are willing to pay for knowledge as well as fine plants. The housing projects are another question, though. That field wants the most for the very least and is not at all conscious of any duty or obligation to the eventual homeowner. In some cases the material has about died from lack of care while the homes are waiting to be sold.

"All in all, it seems to be a leveling process after the boom that the

nurseries have enjoyed since the war."

EXPANSION AT BROWN DEER

Two years ago plans were made to launch a planting and growing program of general deciduous shade trees and flowering shrubs by the Brown Deer Nurseries, Milwaukee, Wis., formerly specializing in evergreens. It was felt that a broader line of stock was necessary to supply all the needs of its wholesale customers.

The majority of the 2-year shrubs were dug this fall and put into cold storage for the winter. A storage shed, measuring 70x70 feet, has been remodeled and insulated to keep stock from freezing and keep it in a dormant state late in the spring.

Future plans entail a further diversification in the deciduous line to include some of the more uncommon landscape plants. Evergreens will still continue to be a large part of the production.

The nursery has six greenhouses available for propagating purposes, each house measuring 20x70 feet. A lath house, 100x150 feet, is used to handle all 1 and 2-year lining-out evergreens. Total acreage of the

nursery is 200 acres, of which 100 are now in production, the balance being in green manure and soil-building crops. Approximately 40 per cent of the nursery has been terraced and planted on the contours, and all land is tiled to provide good drainage.

The nursery is fortunate in having considerable frontage on the Milwaukee river for its irrigation system. Using a diesel pump at the river, it is possible to irrigate all parts of the nursery. Approximately 10 acres are serviced by underground mains, from which portable irrigation pipe is used to reach the more distant parts of the nursery.

HACKMYER BROS. have announced the opening of a nursery and garden supply store called The Garden Fair, 4000 South State road 7, West Hollywood, Fla.

HARVEY JACKSON, Jackson Bros. Nursery, Taunton, Mass., recently spoke to the members of the Chartley Garden Club, Chartley, on "Trends in Landscape Materials."

WAYNE RODERICK, who conducts Roderick's Nursery, 2349 Magnolia avenue, Petaluma, Calif., makes rare plants a hobby. Dwarf trees and alpine plants are among his specialties.

TREE WOUND DRESSING

For the protection of wounds after pruning use Bartlett Tree Paint. Easily applied with ordinary paintbrush.

RETAIL PRICE—LESS THAN CASE LOTS

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| 1/2-pt. can (48 per carton) |\$0.60 |
| 1-pt. can (48 per carton) |90 |
| 1-qt. can (24 per carton) |1.60 |
| 1-gal. can (6 per carton) |3.50 |

JOBBERS DEDUCT 50% FOR CASE LOTS F.O.B. DETROIT



This attractive steel display rack fully stocked costs you only \$7.25 F.O.B. Detroit. Retail value \$14.50. Refills at jobbers' prices.

Here's a fast-moving specialty which sells to state highway depts., city and country parks, tree experts, cemeteries and fruit growers. Every tree owner is a prospect. Ask for catalog No. 35 for a full line of "Tree Trimming Equipment."

Rack Displays—6 1/2 pbs., 5 pbs. and 4 qts.

M-414 PRUNING SAW

The axe handle, which is especially made for this saw, is properly tapered to fit the head and is 36 ins. long.

M-414 Meylan Saw, complete with 16-inch blade\$12.00

M-414 Meylan Saw, complete with 18-inch blade\$12.50

Jobbers' Price

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ADAIR'S MONEY-MAKERS Tree Diggers — Root Pruners Special Cutter Blades

CHARLES ADAIR CO.

1225 Cottage Grove Ave.
CHICAGO HEIGHTS, ILL.

MOVE BIG BIRCH TREE

A Hudson valley fruit farm has ended a 5-year search for a large cut-leaved weeping white birch tree, which was planted on the Old Wind Mill estate, at East Hampton, L. I., October 26.

After unproductive visits to Long Island nurseries and most other nurseries in the east, Stanley Mesavage, of the North Eastern Forestry Service, Hawley, Pa., was asked to help. Mr. Mesavage, a former Hudson valley resident, recalled that many such trees were located in the Hudson valley, which motivated him asking William C. Hall, of Arboreal Associates, Harriman, N. Y., for help.

Mr. Hall examined nearly all the cut-leaved weeping white birch trees in the region without success. Many were prized by the owners; others were found to be growing on rocks, or for other reasons could not be moved. Mr. Hall found just the tree on the Harry Lielnors' fruit farm near Gardiner.

Mr. Lielnors was at first reluctant to part with the tree, but when he was told that it would be moved near the Old Wind Mill, at Easthampton, where the ocean winds ground grain in colonial days, he consented to part with the tree.

The tree was sprayed with a special wax to lower the transpiration rate and to avoid excessive drying. Next the birch was heavily fed with an arboreal food to develop a mat of hair roots near the trunk. Then it was root-pruned. A 4-foot trench 11 feet in diameter was dug in a circle about the tree. The tree was then subirrigated through the summer at 10-day intervals, using power spray machines and subsurface needles with a special water soluble fertilizer added to help grow more hair roots in the ball area.

Storm Difficulty

Finally October 24, when the tree was ready to be balled, A. G. Heflin, of Heflin & Storms, Wyckoff, N. J., arrived with a large tree mover and went to work with Mr. Hall and a select Arboreal Associates work crew. That night, however, a severe storm with hurricane winds hit. A mad scramble ensued to protect the ball with tarpaulins to prevent excessive wetting from the drenching downpour. Speedy excavation of drainage ditches was initiated to preclude accumulation of deep water in the hole. But next day uprooting with a large mover was successful, and placement of the mover and the tree on a low-bed float of heavy construction owned by the J. Averill Mangin Co.,

NOW... A SPECIAL *Taubman* **BLACK INDELIBLE MARKING PEN**

**TO MARK
WOOD LABELS
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MODEL #329 N

6 1/2
INCHES
LONG **39¢**
Fed. Tax included

- Disposable . . . No refills
- Quick drying
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- Not affected by rain, snow, insects, soil bacteria

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FROM WHOLESALERS INVITED

SEND YOUR
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Assures better, healthier stands
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FORGET DRY SPELLS. Your growing stock can have a shower of gentle, penetrating "rain" at the mere turn of a valve. Skinner overhead irrigation also gives you positive protection against frost . . . lets you control soil moisture for easy setting and transplanting.

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Use on Christmas wreaths, etc.
Soil fumigants—Seedbed Treatments
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For Service:

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HOLLISTON, MASS.

HERE IS WHY NURSERYMEN PREFER MENNEPOTS



Superior Strength

Sturdily constructed, the MENNEPOT withstands hard handling.

Stapled Bottom

Comes completely assembled . . . Potting can start immediately upon arrival.

Light Weight

The MENNEPOT is economical to use. Light weight makes shipping costs less.

Drainage

The side-drainage feature makes waterlogging impossible while standing in salesyard.

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| Size 0 Top ... 4 ins. Bottom 3 1/4 ins. High ... 4 ins. Weight per 100 Regular 10 lbs., Heavy 25 Regular Weight Price 100...\$2.75 1000...\$25.00 Heavy Weight Price 100...\$3.75 1000...\$35.00 | Size 1 Top ... 6 ins. Bottom 5 ins. High ... 6 ins. Weight per 100 Regular 15 lbs., Heavy 35 Regular Weight Price 100...\$4.00 1000...\$37.50 Heavy Weight Price 100...\$5.25 1000...\$50.00 | Size 2 Top ... 7 ins. Bottom 5 1/2 ins. High ... 9 ins. Weight per 100 Regular 24 lbs., Heavy 55 Regular Weight Price 100...\$4.50 1000...\$42.50 Heavy Weight Price 100...\$5.75 1000...\$55.00 | Size 3 Top ... 8 1/2 ins. Bottom 6 1/2 ins. High ... 9 ins. Weight per 100 Regular 30 lbs., Heavy 75 Regular Weight Price 100...\$5.00 1000...\$47.50 Heavy Weight Price 100...\$6.25 1000...\$60.00 |
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| Size 4 Top ... 10 ins. Bottom 8 ins. High ... 10 ins. Weight per 100-120 lbs. 100...\$11.00 500...\$52.50 1000...\$100.00 *Heavy Only— For trees and shrubs. | Size 5 Top ... 12 ins. Bottom 10 ins. High ... 12 ins. L.G. POT Weight per 100-250 lbs. 20...\$36.00 100...\$27.50 500...\$125 1000...\$225 *Special for extra-heavy trees and large shrubs. | Size Pan Top ... 8 1/2 ins. Bottom 7 1/2 ins. High ... 5 ins. PAN Weight per 100 Regular 30 lbs., Heavy 70 Regular Weight Price 100...\$5.00 1000...\$47.50 Heavy Weight Price 100...\$6.25 1000...\$60.00 |
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500 of a size takes 1000 rate in sizes 0-1-2-3-Pan. Regular-weight pots packed 100 and 200 per carton in sizes 1-2-3-Pan. Size 0, 250 only. Heavy pots are packed 250 per carton in size 0; 100 per carton in size 1; 50 per carton in sizes 2, 3, Pan and 4, and 20 per carton in size 5. NO BROKEN CARTONS.

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| OHIO | Skoll Distributing Co., 560 E. 99th St., Cleveland, O. I. G. Harmon & Son, 1800 19th St., Canton 4, O. |
| PENNSYLVANIA | E. C. Gelger, North Wales, Pa. Verscharen's Garden Centers, Rt. 31, Brentwood, Pittsburgh, Pa. Rt. 88, S. Park, Pittsburgh, Pa. |
| NEW JERSEY | New Jersey Farm Supply, 449 Market St., East Paterson, N. J. Somerset Rose Nursery, Inc., New Brunswick, N. J. |
| MICHIGAN | William Bell, 4002 Montgomery Ave., Detroit, Mich. Farmington Gardens Nursery, Farmington, Mich. Growers Exchange, Inc., P. O. Box 397, Farmington, Mich. Strickland Seed Store, 1439 Gratiot Ave., Detroit, Mich. |
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Monroe, ended the task at Gardiner. Mr. Mangin, in personal charge of the tree, started his trip to East-hampton.

Special highway permits were obtained from both the states of New York and New Jersey, and a special route with no low bridges was planned in advance and approved.

Wednesday afternoon, October 26, everyone met at the Old Wind Mill, East Hampton, and there the tree was planted in a large hole that had been prepared in advance by the Charles Frankenbach & Sons Nursery, Southampton.

Frank Flynn, gardener at the Old Wind Mill estate, is now in charge of the tree and is planning to see that its every need is attended.

INSECT PESTS OF TAXUS

[Continued from page 12]

sandra. Because of its size, color and habit, it is difficult to spot on branches. Dormant sprays of dinitro compounds and Scalecide have been effective in controlling this scale. For the crawlers, which are present in late June, DDT, parathion and malathion are all effective.

Other scales occasionally found on euonymus species are the cottony maple scale, *Pulvinaria vitis*; San

Jose scale, *Aspidiotus perniciosus*, and European fruit lecanium, *Lecanium corni*. In the eastern United States *Leucaspis japonica* has been reported.

Other Scales

Another group of scales reported on euonymus is the hemispherical scale, *Saissetia hemisphaerica*; California red scale, *Aonidiella aurantii*; Florida red scale, *Chrysomphalus aonidium*; greedy scale, *Aspidiotus camelliae*; Florida wax scale, *Ceroplastes floridensis*, and the Dictyospermus scale, *Chrysomphalus dictyospermi*. These are all scales from warmer climates and should be problems only on freshly imported plants or plants from infested greenhouses.

Three different kinds of aphids are occasionally found on euonymus. They are the green peach aphid, the ivy aphid and the black bean aphid. Whenever aphids are a problem they can be killed effectively with nicotine sulphate plus soap or one of the phosphate insecticides.

Two New Mealy Bugs

Two new mealy bugs have been found on ornamentals in Indiana the past year—the juniper mealy bug, *Spilococcus juniperi*, and a species new to science, *Trachycoccus idi-*

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astes, which was found on hypericum. Little is known about this insect yet, but one should spray promptly if any are found. I suggest parathion or malathion for the crawlers and oil during the dormant period.

In Indianapolis and vicinity, the Putnam scale, *Diapsidium ancyclus*; Forbes scale, *Quadraspidiotus forbesi*, and the European fruit lecanium, *Lecanium corni*, have been heavy on such trees as maple, hickory, sweet gum, beech, dogwood and redbud. Because of the oil sensitivity of hosts dormant oil sprays could not be used. Several sprays of malathion for the crawlers were tried, using two and one-half pints of 57 per cent malathion emulsion to 100

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gallons of water. Because of economic considerations, only one spray was applied on each property. One spray was applied June 9; another was applied June 29.

Good control of Putnam and Forbes scales resulted in both cases, but the later application seemed to give better results, probably because nearly all crawlers had hatched by that time. The sprays were not too effective against the European fruit lecanium. Possibly a fall application of malathion might do a better job on this species.

Two Pests of Pine

Two insect pests of pine, particularly red pine, are causing concern, especially in northern portions of Indiana. The European pine sawfly, *Neodiprion sertifer*, which feeds before the new growth breaks, strips all the old foliage from the tree, rendering it worthless as an ornamental or a Christmas tree. The sawfly larva pupates in the soil and litter beneath the tree the latter part of June. In September, adults emerge and mate, and the female lays eggs in the individual needles. Each egg is placed in a slit in the needle. Later the needle discolors around this wound, and egg-infested trees can be detected by close examination of the needles.

Like most sawflies, this one can be controlled by applications of DDT sprays or dusts. The best control appears to be a new virus spray. As a result of spraying the trees with this virus suspension, the larvae become sick and die. The virus has the further advantage of persisting from year to year, so that future spraying may be eliminated. In large plantings, airplane application is advisable, as only a small amount of virus, one cubic centimeter, is needed in one gallon of water per acre.

The second pine pest is the European pine-shoot moth, *Rhyacionia buoliana*. This pest attacks the buds of red and other pines, killing the buds and causing the growth to become dense and bushy, which ruins the value of the trees as ornamentals and for Christmas trees. The small orange and silver moths emerge during June and July and lay their eggs at the base of the needles. The eggs hatch, and the larvae burrow into the buds.

When one bud is hollowed, the pests leave it and tunnel a new one, and soon there is a mass of hollow buds at the end of each terminal. Control should be initiated as soon as the pest is discovered, for it is difficult. Pruning and spraying are good control measures. Infested

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terminals should be pruned and burned during the winter and spring, but before adults emerge in June.

Spraying should be done about July 10 and repeated in 10 days, using either DDT, cube (rotenone) or parathion. DDT sprays should consist of two pounds of 50 per cent wettable powder to 100 gallons of water. When using 5 or 6 per cent cube (rotenone), one should add four pounds to 100 gallons of water plus one pound of skimmed milk. Sprays of two to two and one-half pounds of 15 per cent parathion wettable powder to 100 gallons of water have also been effective, but because of their poisonous nature, extreme care must be exercised in their application. Regardless of the material used against the pine-shoot moth, the spraying must be thorough and the plant wet down for control to be effective.

Two Old Ones from the East

I bring the Japanese beetle, *Popillia japonica*, into this discussion because we in the midwest undoubtedly will have to learn to live with it in the not too-distant future. This metallic-colored beetle is a pest both as an adult beetle and as a grub, or larva. As an adult it attacks over 250 kinds of shade, forest and deciduous trees, fruits, shrubs and flowers.

The larva is a severe pest of turf. Adults appear during the summer in large numbers and their feeding produces a characteristically skeletonized leaf. The adults can be controlled by applying DDT or methoxychlor sprays. Several sprays may be necessary. To prevent grub damage, one should apply 10 pounds of actual chlordane per acre, 200 pounds of a 5 per cent dust, and work or water it into the sod. For the best effect it should be applied before September 1.

Gypsy moth, *Porthetria dispar*, was found last summer in Michigan, and it is important to know what it looks like. This insect is one of the most serious pests of shade trees, both evergreen and deciduous, and attacks over 500 different species. As a larva it strips the trees of their foliage and often causes their death. In New England states, local and federal governments have spent millions of dollars fighting this pest, and until now have kept it confined to the east. But since this pest has appeared in the midwest, nurserymen should be alert to its danger. DDT does a good job in controlling this pest, but nearly everything has to be sprayed.

In conclusion may I say, do not let insects scare you, but do not be caught asleep at the switch. Know



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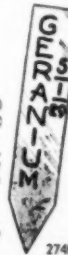
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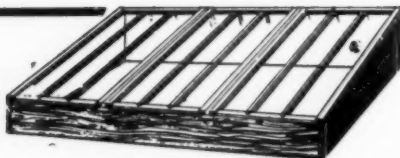
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SWARTHMORE PLANT GUIDE

Garden-minded visitors to Swarthmore College, Swarthmore, Pa., welcome the large relief map of the campus in the new Scott Foundation building, which shows the locations of the most prominent plant collections there. Supplementary maps and lists are also displayed in the building for further aid.

The stone building is enhanced by its setting at the edge of one of the finest collections of rhododendrons, azaleas and related plants to be found in this country. It is near the Scott outdoor auditorium and not far from the main college building, Parrish Hall, and the Clothier memorial. It is the gift of Thomas McCabe, of the class of 1915, in honor of Mrs. Arthur Hoyt Scott, of the class of 1896.

The Arthur Hoyt Scott Horticultural Foundation, which maintains the plantings on the campus, offers an excellent opportunity for plant students and specialists to study the wealth of material that can be grown successfully in the Philadelphia area. Although the spectacular period of bloom lasts from about the middle part of March until the middle of June, there are always some blooms and something of interest to plantmen to be seen on the campus.

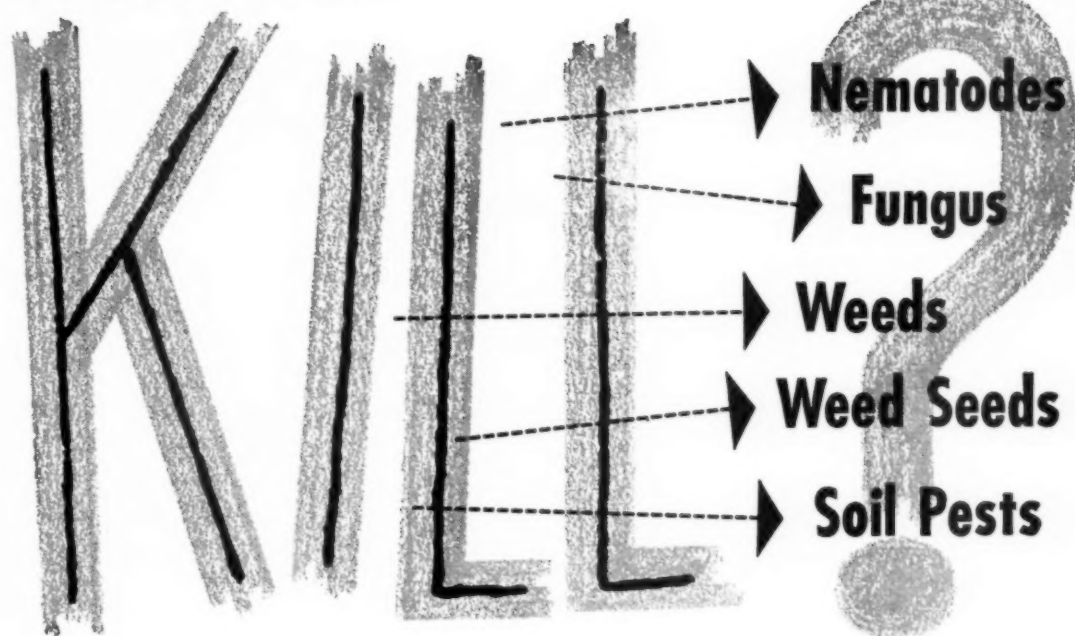
CHANGE TO HANLEY NURSERY

With the publication of the spring, 1956, mail-order catalog, the name of Bradley Nursery, Carbondale, Ill., will be changed to Hanley's Nursery. Jack Hanley, formerly with Arp Nursery Co., Tyler, Tex., purchased the long-established business from A. L. Bradley in the fall of 1954. Since then, he has operated it under the Bradley name. Mr. Bradley is now retired from active business.

Mr. Hanley is currently serving a term as vice-president of the National Mail Order Nurserymen's Association.

T. L. THOMPSON, secretary-treasurer and office manager of McConnell Nursery, Ltd., Port Burwell, Ont., since 1949, has accepted an executive position with the Delta Acceptance Corp., Ltd., London, England. He has been succeeded by Frank Fizzle, formerly with William Ewing Co., Ltd., Montreal, Que., and Simpson-Sears of Canada.

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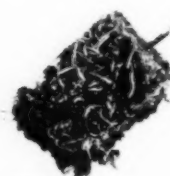
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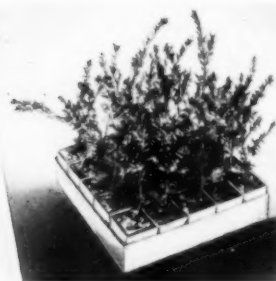
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